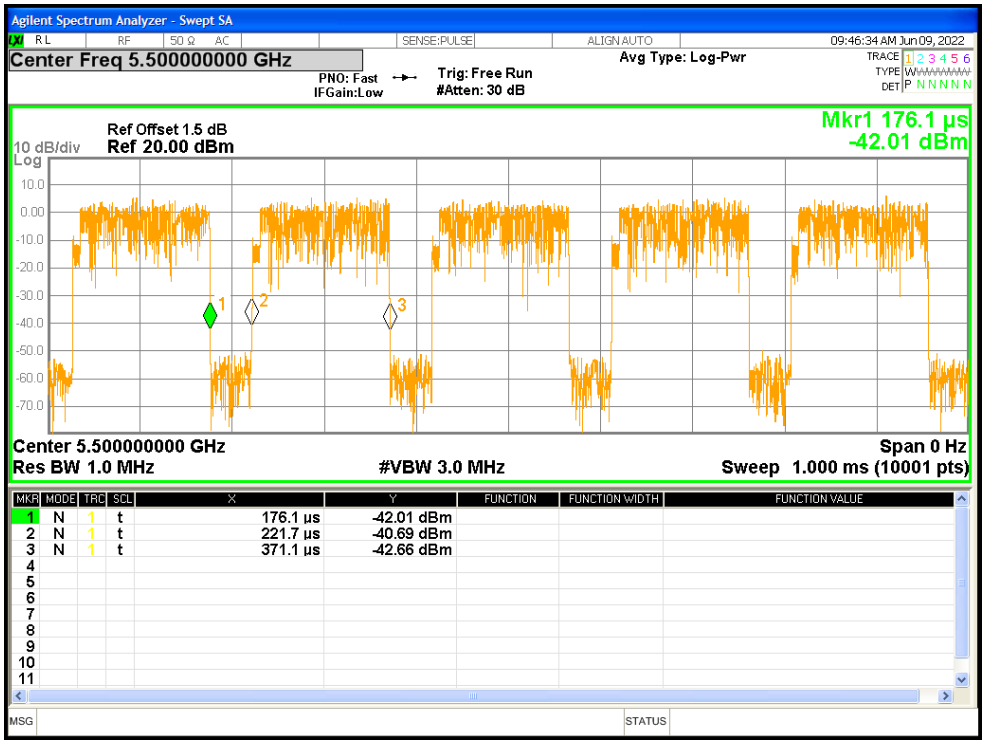
Duty Cycle

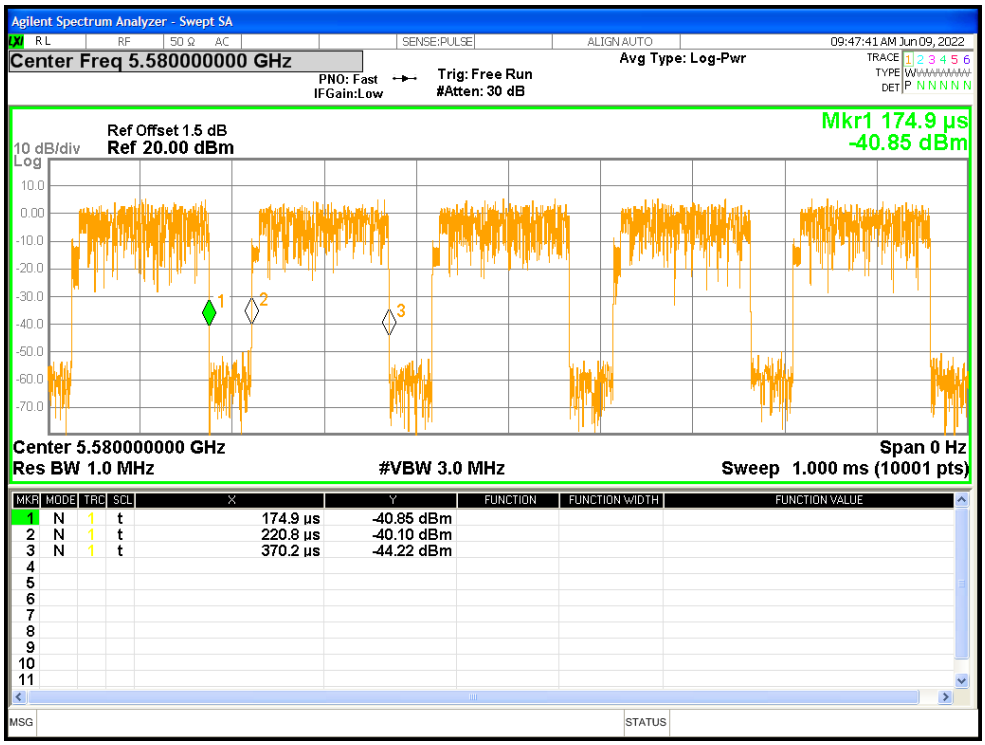
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	76.62	1.16	6.69
NVNT	a	5580	76.5	1.16	6.69
NVNT	a	5700	76.56	1.16	6.7
NVNT	n20	5500	79.05	1.02	5.64
NVNT	n20	5580	78.8	1.03	5.64
NVNT	n20	5700	79.09	1.02	5.64
NVNT	n40	5510	79.54	0.99	5.52
NVNT	n40	5550	79.48	1	5.52
NVNT	n40	5670	79.47	1	5.52
NVNT	ac20	5500	78.05	1.08	6.05
NVNT	ac20	5580	77.98	1.08	6.05
NVNT	ac20	5700	77.91	1.08	6.05
NVNT	ac40	5510	77.07	1.13	6.36
NVNT	ac40	5550	77.22	1.12	6.36
NVNT	ac40	5670	77.13	1.13	6.36
NVNT	ac80	5530	77.3	1.12	6.05
NVNT	ac80	5610	78.05	1.08	6.05
NVNT	ac160	5570	77.82	1.09	6.05
NVNT	ax160	5570	77.41	1.11	6.12
NVNT	ax20	5500	84.52	0.73	3.86
NVNT	ax20	5580	84.52	0.73	3.86
NVNT	ax20	5700	84.53	0.73	3.86
NVNT	ax40	5510	78.65	1.04	5.64
NVNT	ax40	5550	79.22	1.01	5.64
NVNT	ax40	5670	77.13	1.13	185.19
NVNT	ax80	5530	77.21	1.12	6.11
NVNT	ax80	5610	77.63	1.1	6.11

Test Graphs

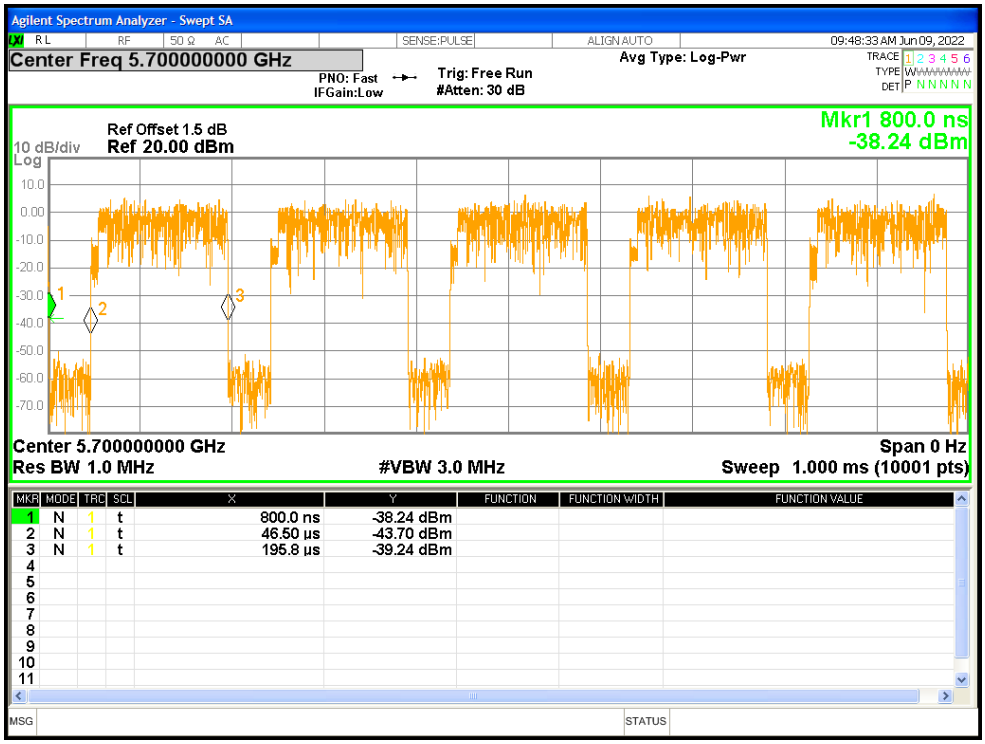
Duty Cycle NVNT a 5500MHz



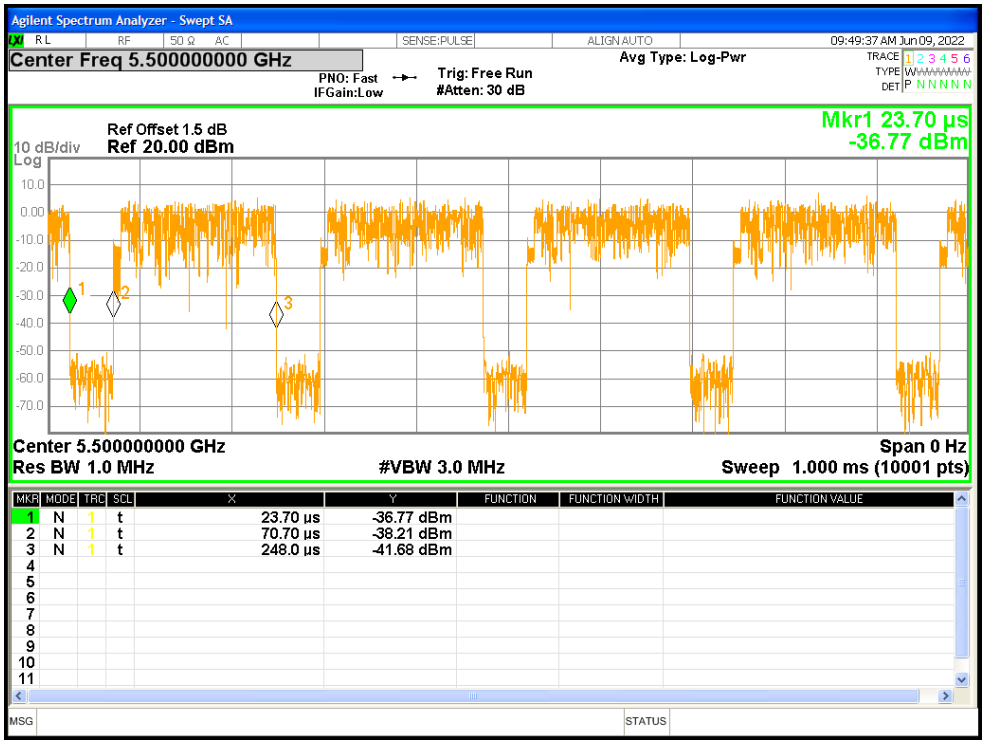
Duty Cycle NVNT a 5580MHz



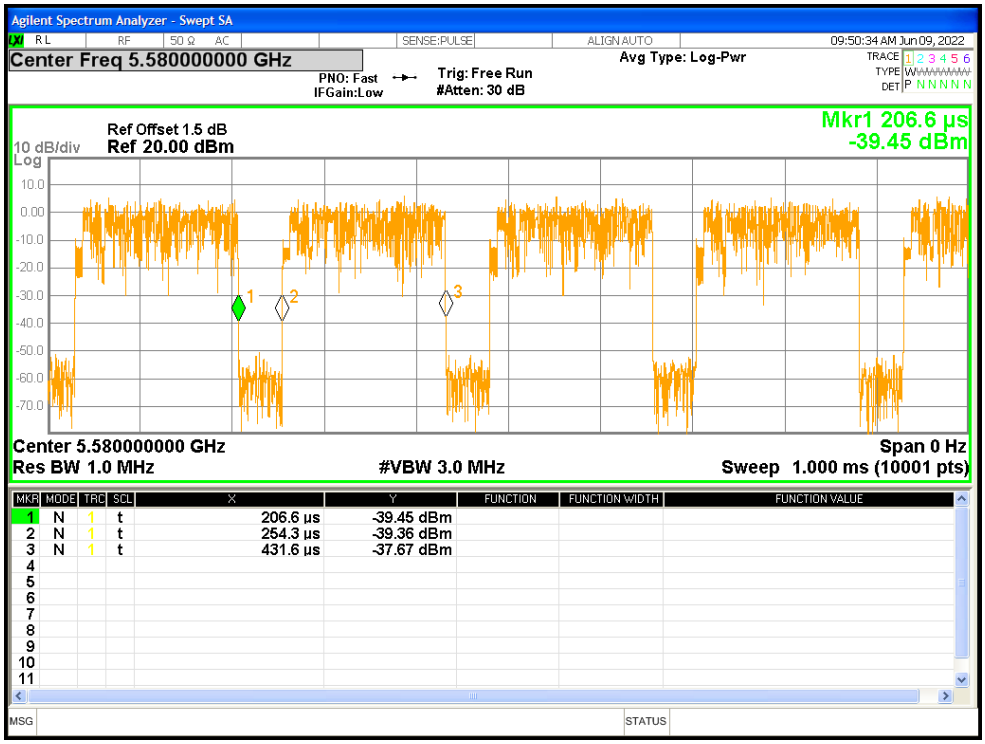
Duty Cycle NVNT a 5700MHz



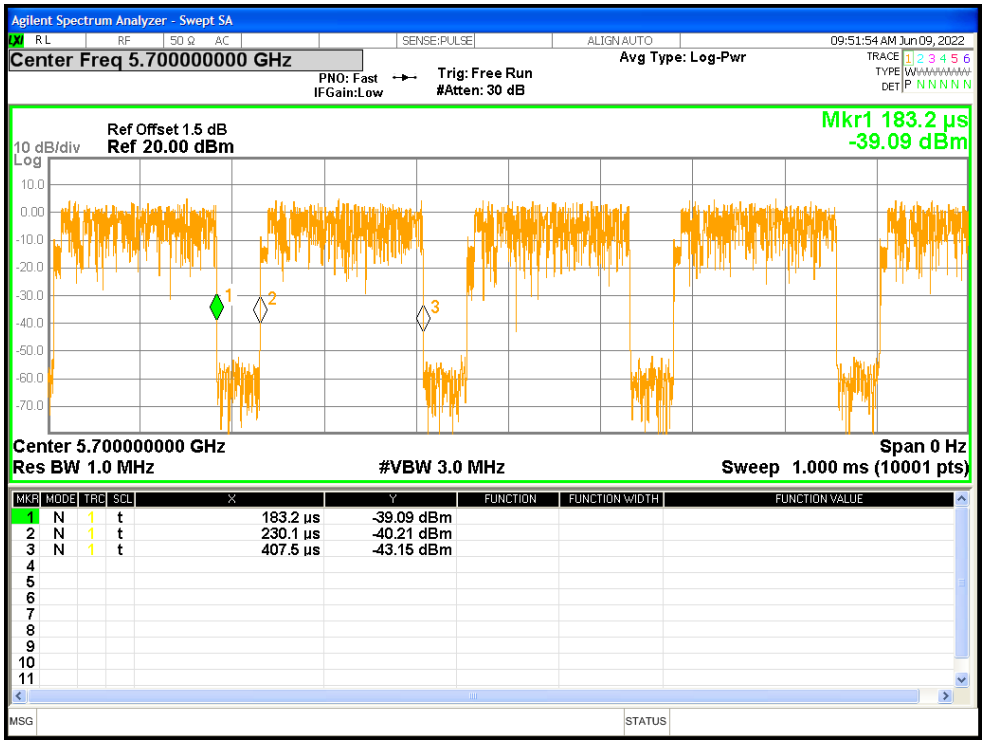
Duty Cycle NVNT n20 5500MHz



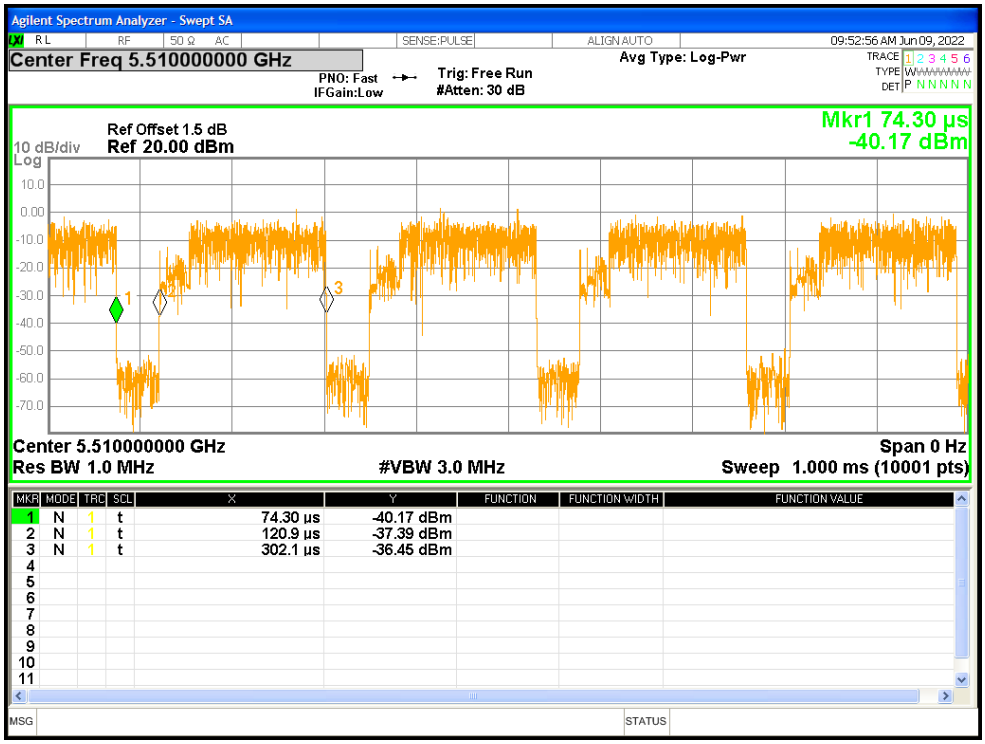
Duty Cycle NVNT n20 5580MHz



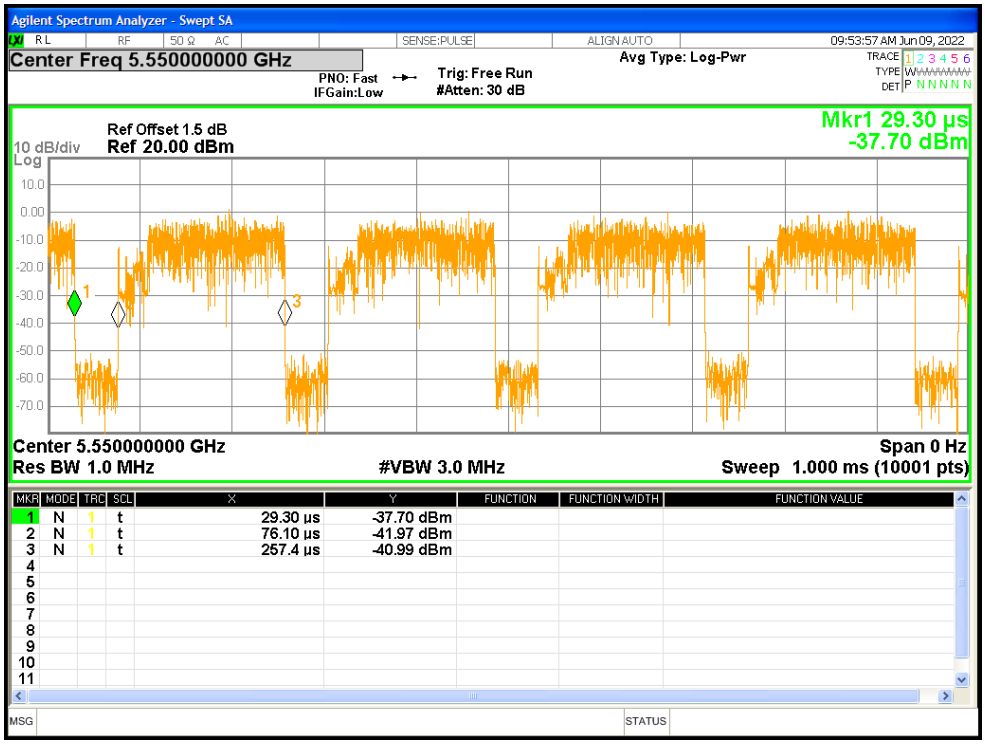
Duty Cycle NVNT n20 5700MHz



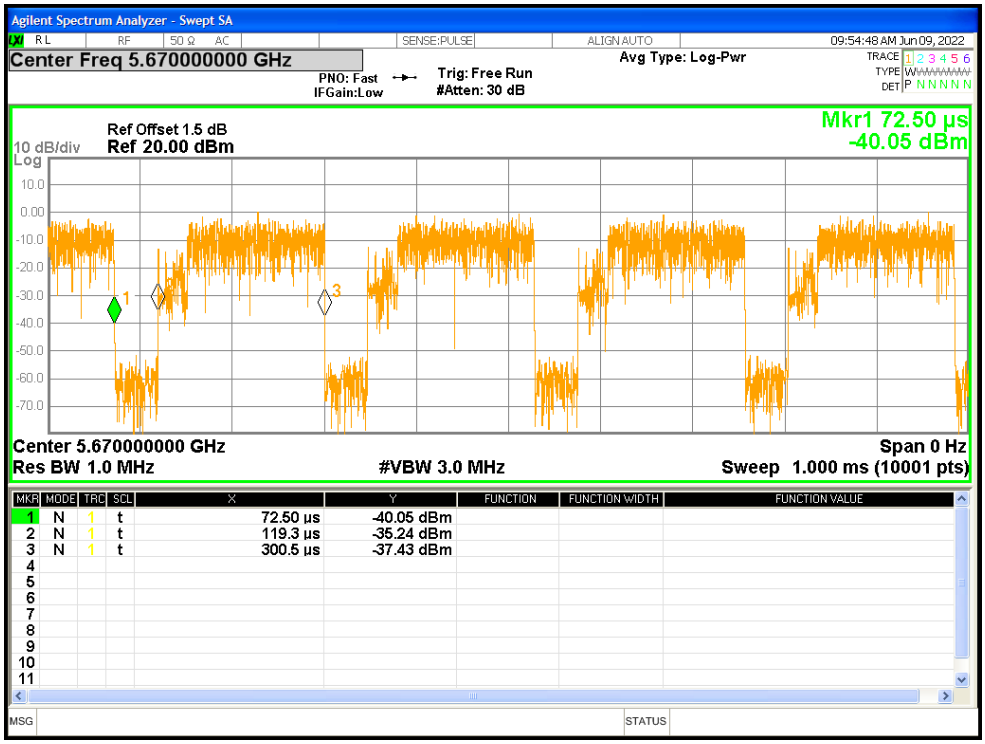
Duty Cycle NVNT n40 5510MHz



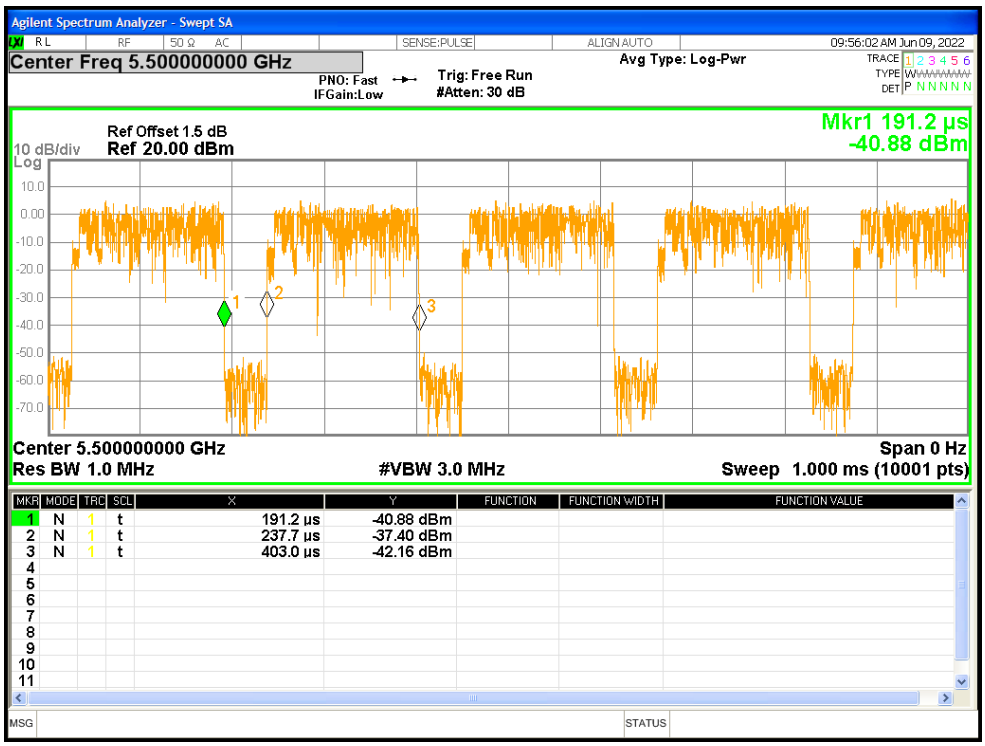
Duty Cycle NVNT n40 5550MHz



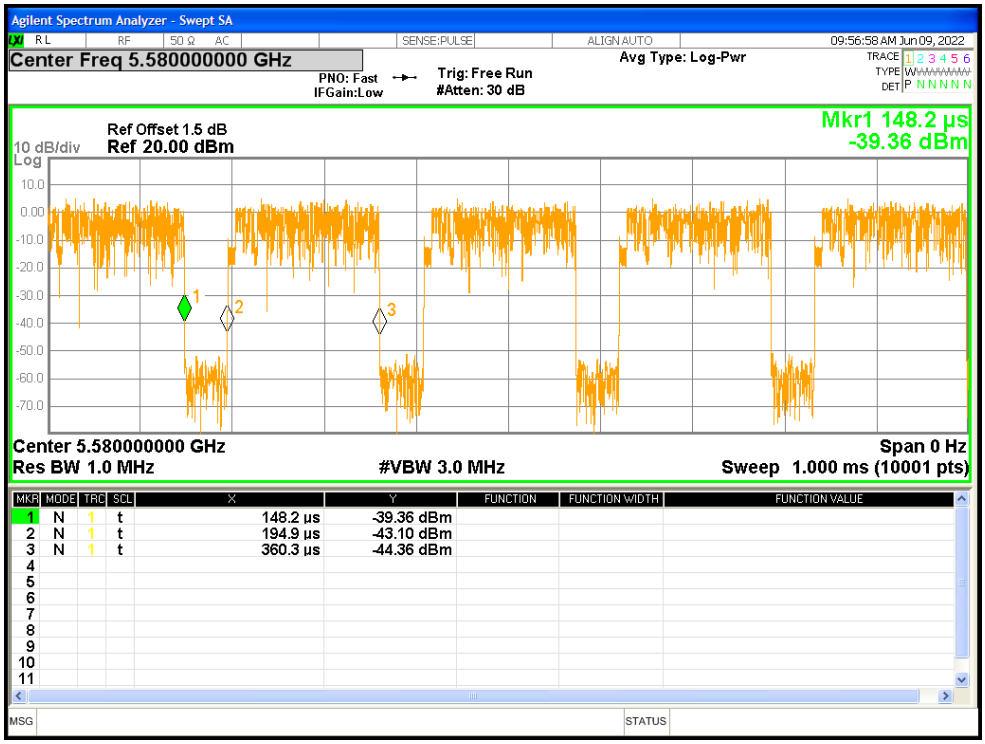
Duty Cycle NVNT n40 5670MHz



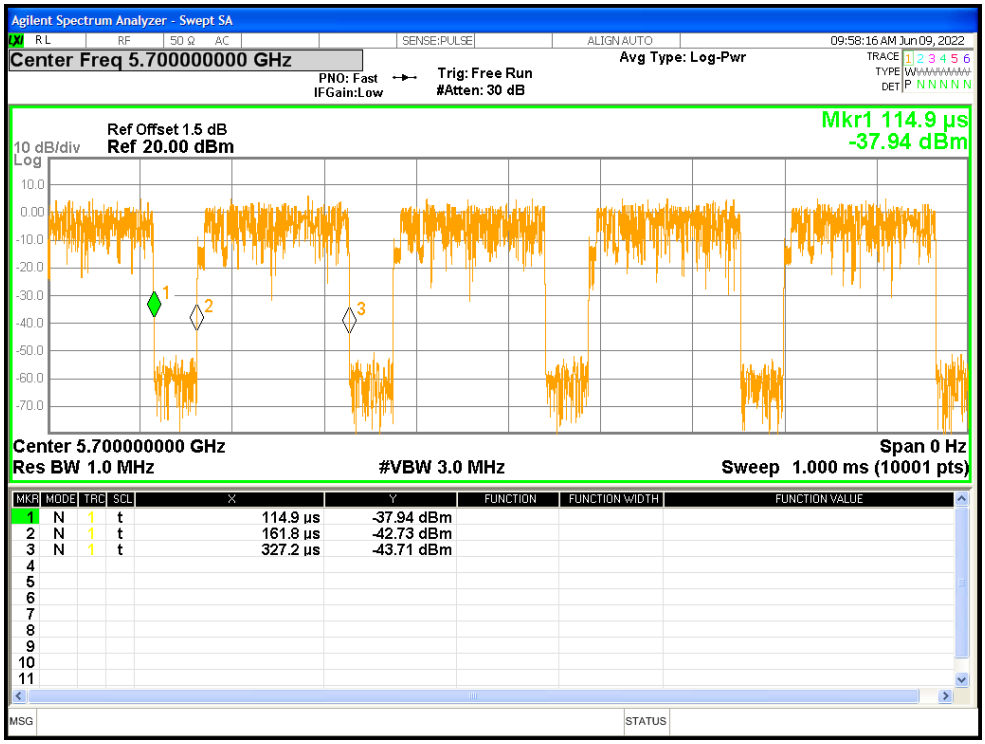
Duty Cycle NVNT ac20 5500MHz



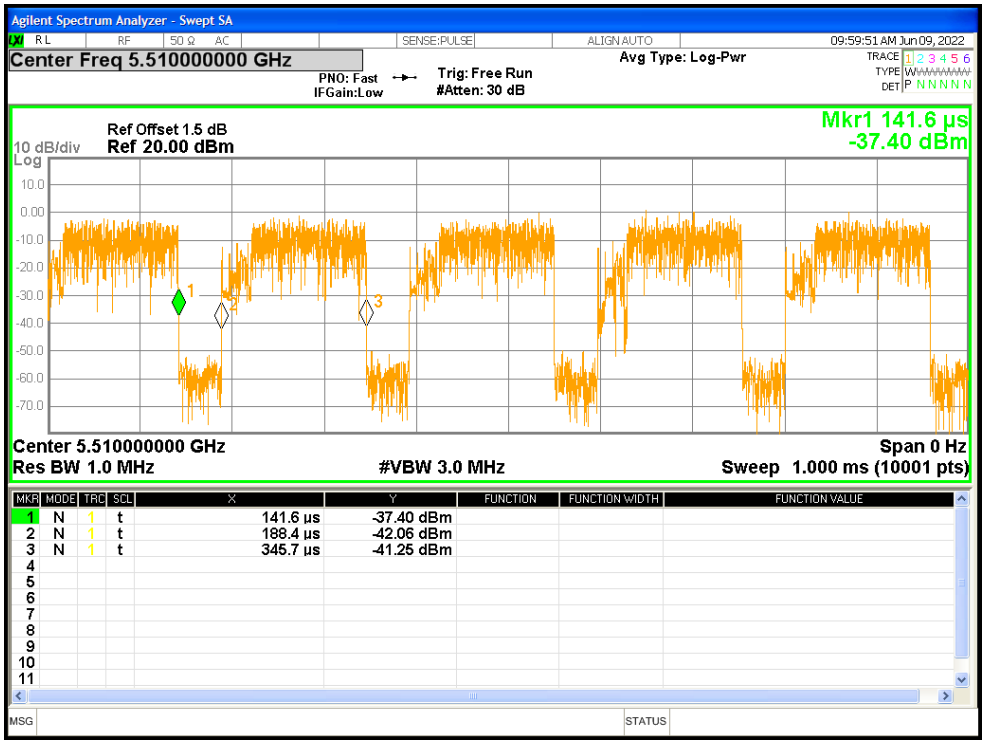
Duty Cycle NVNT ac20 5580MHz



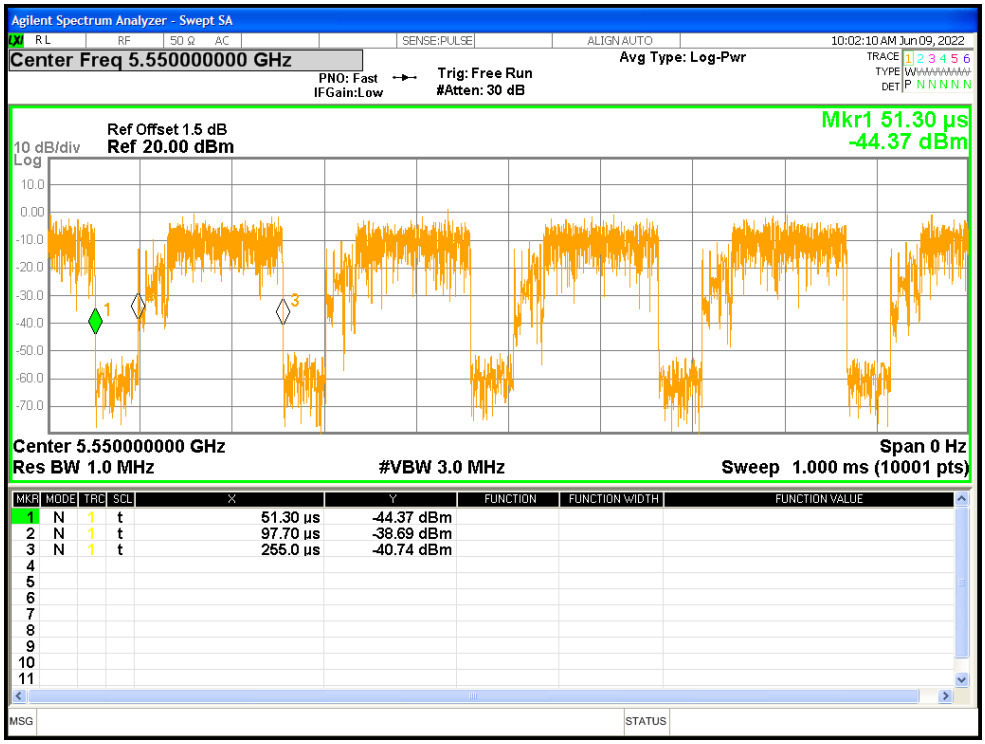
Duty Cycle NVNT ac20 5700MHz



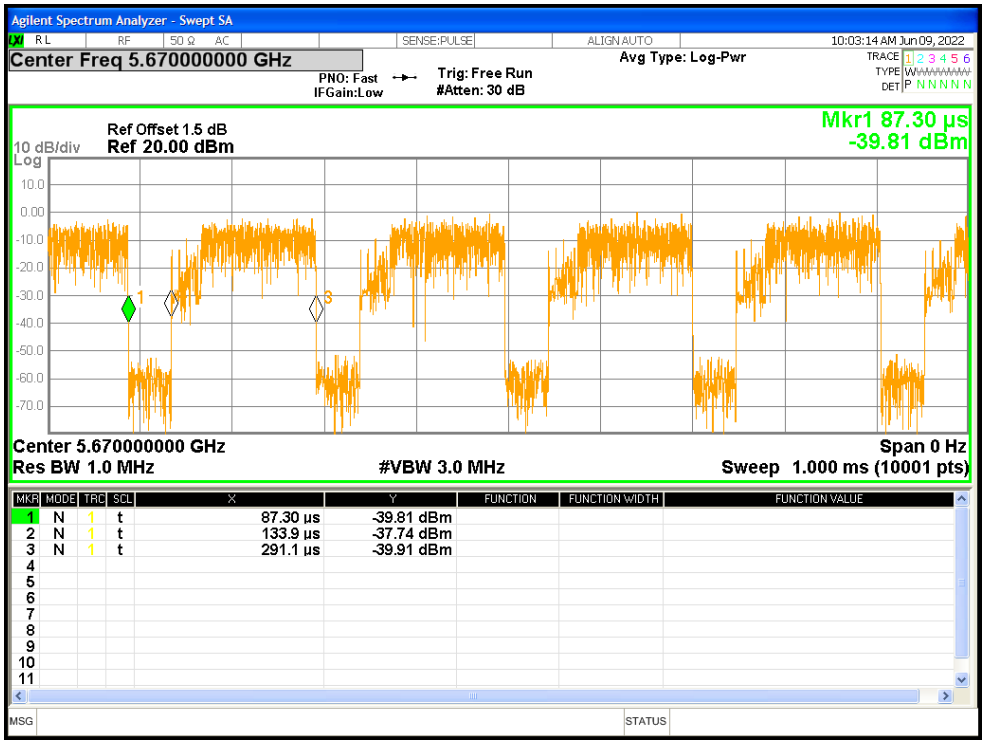
Duty Cycle NVNT ac40 5510MHz



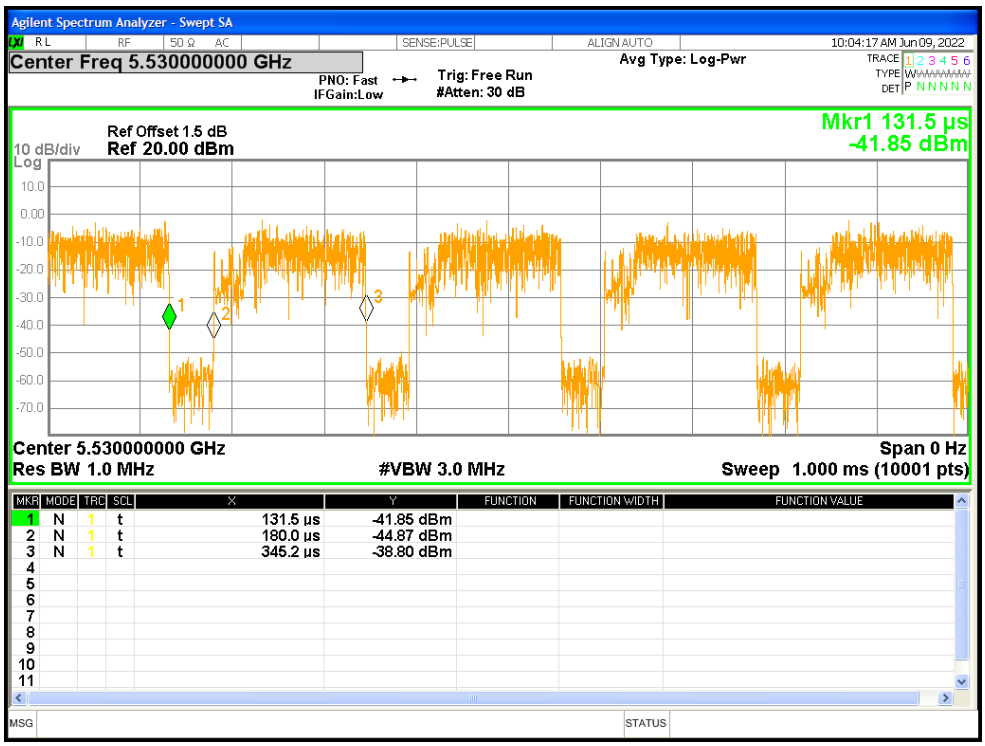
Duty Cycle NVNT ac40 5550MHz



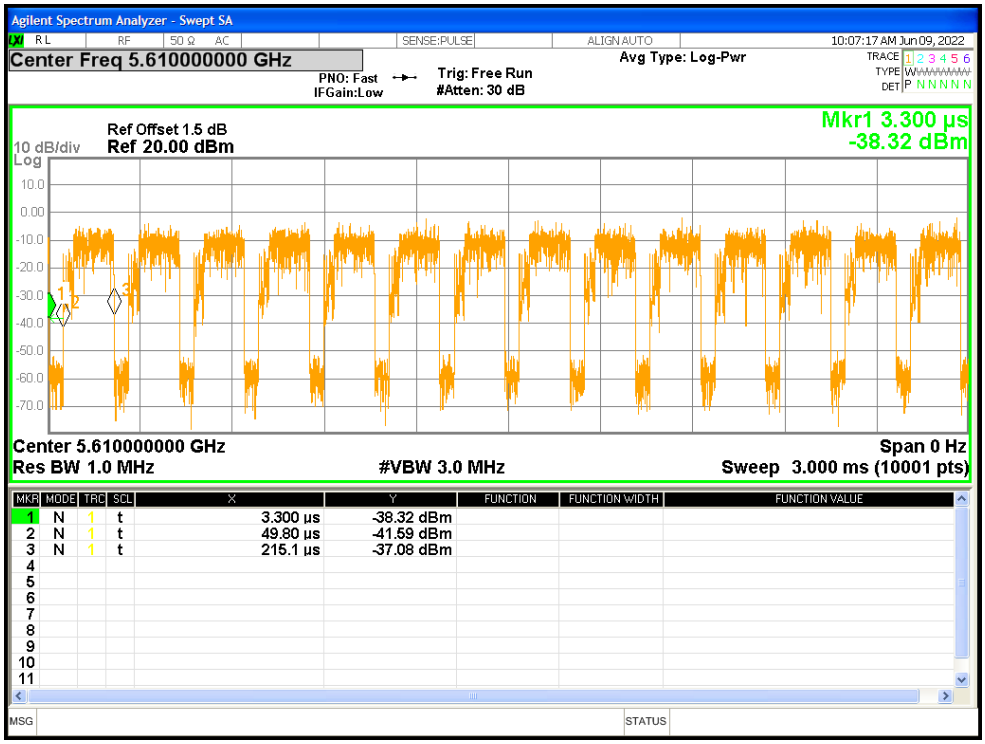
Duty Cycle NVNT ac40 5670MHz



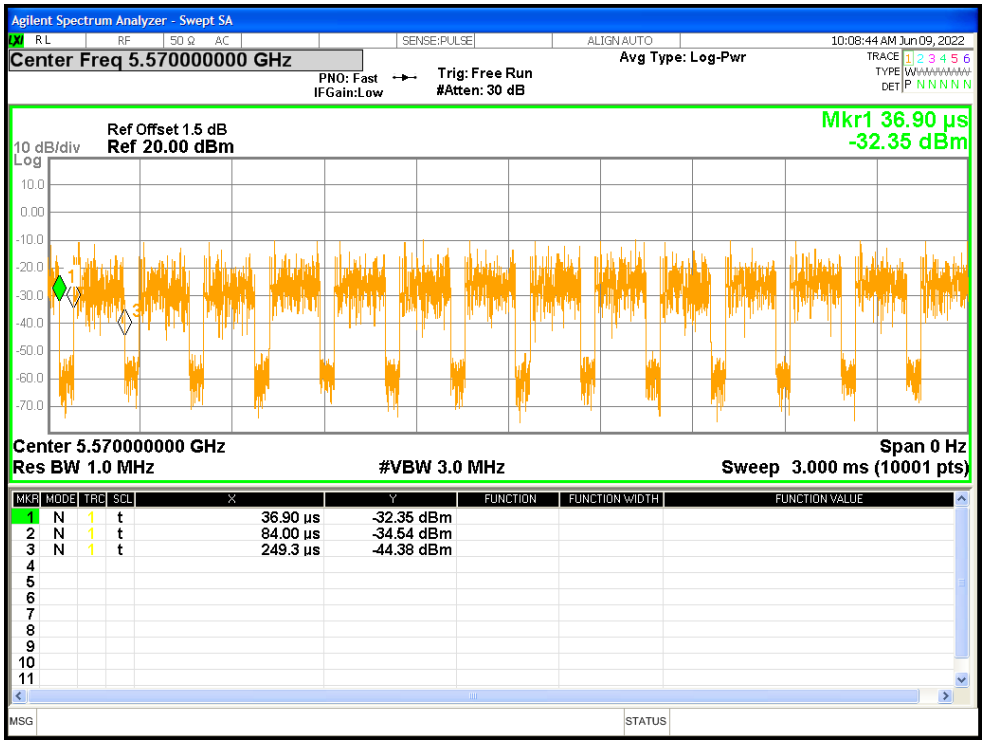
Duty Cycle NVNT ac80 5530MHz



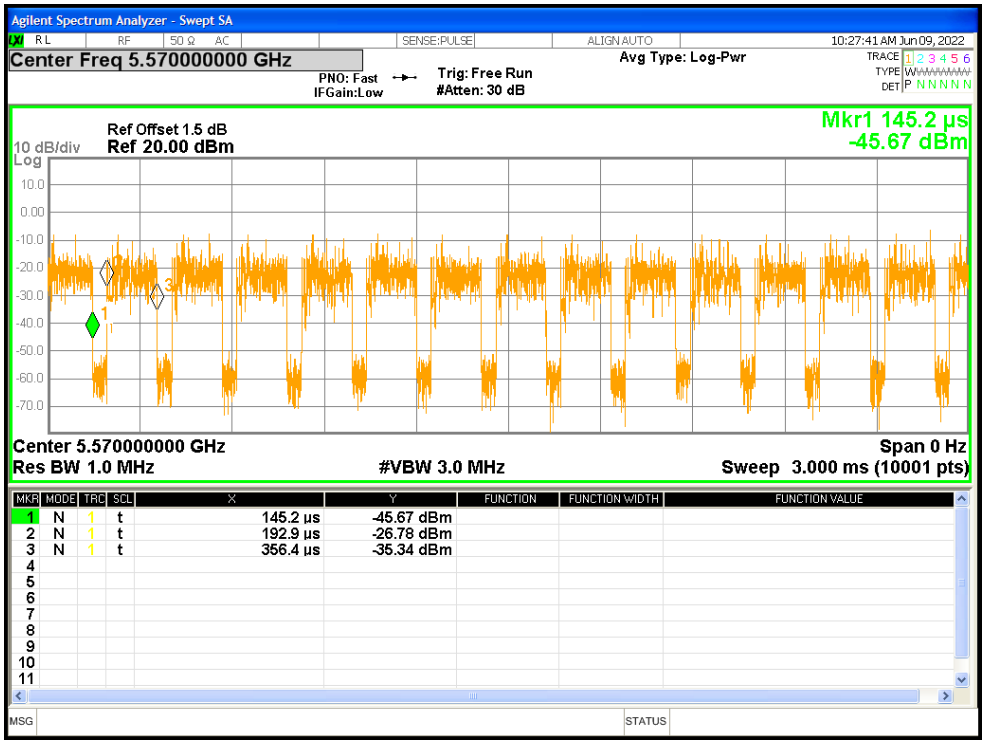
Duty Cycle NVNT ac80 5610MHz



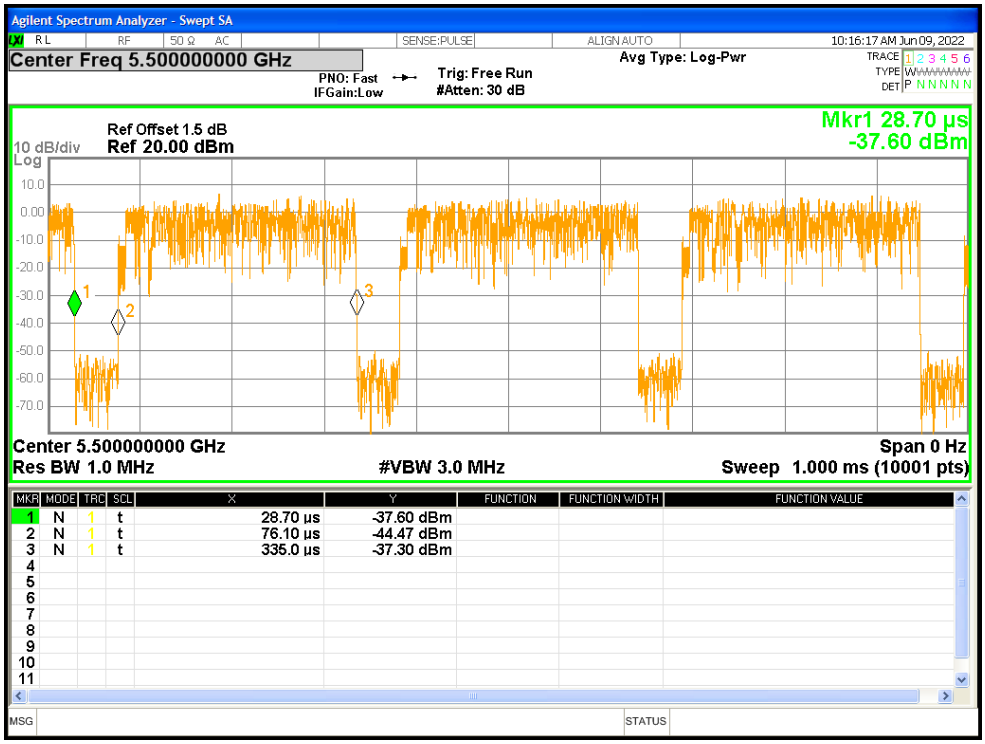
Duty Cycle NVNT ac160 5570MHz



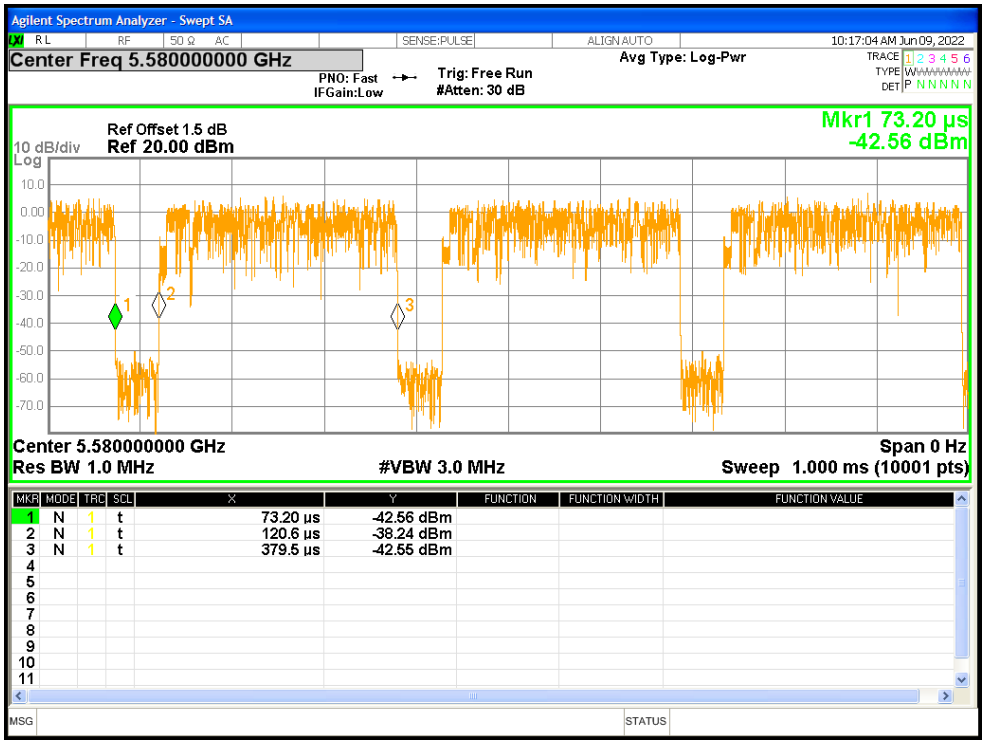
Duty Cycle NVNT ax160 5570MHz



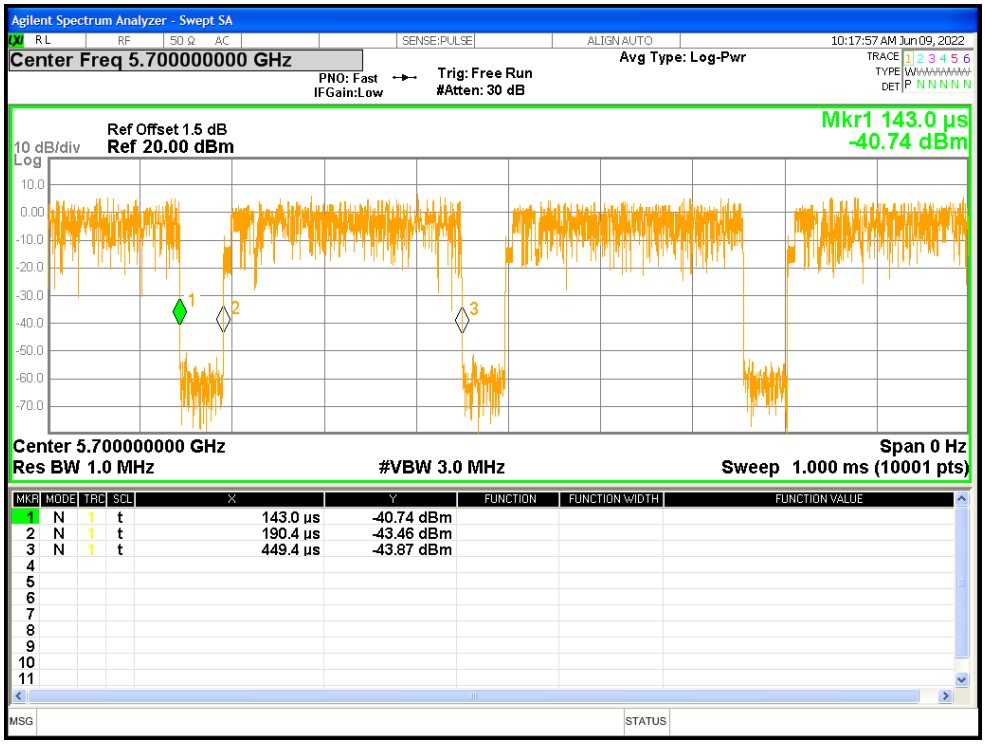
Duty Cycle NVNT ax20 5500MHz



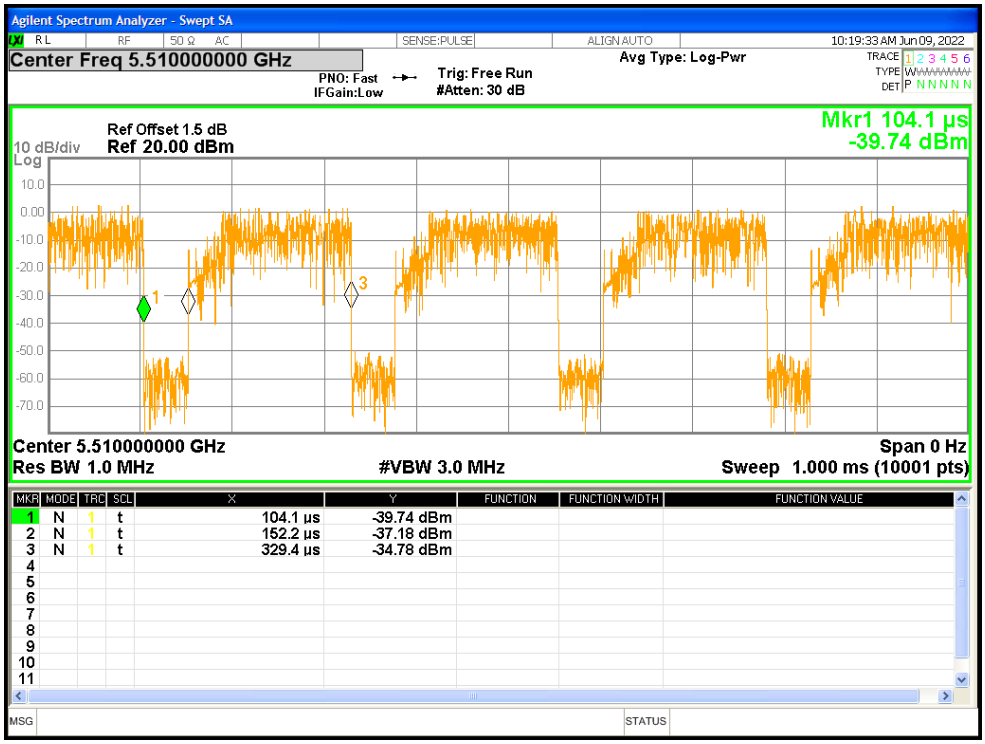
Duty Cycle NVNT ax20 5580MHz



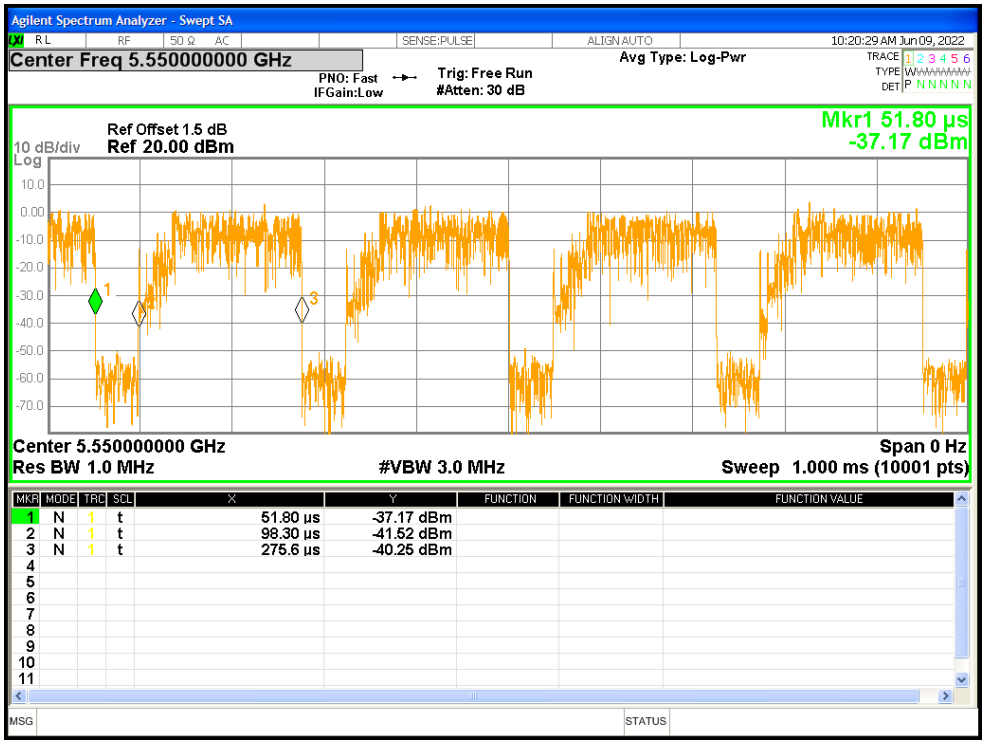
Duty Cycle NVNT ax20 5700MHz



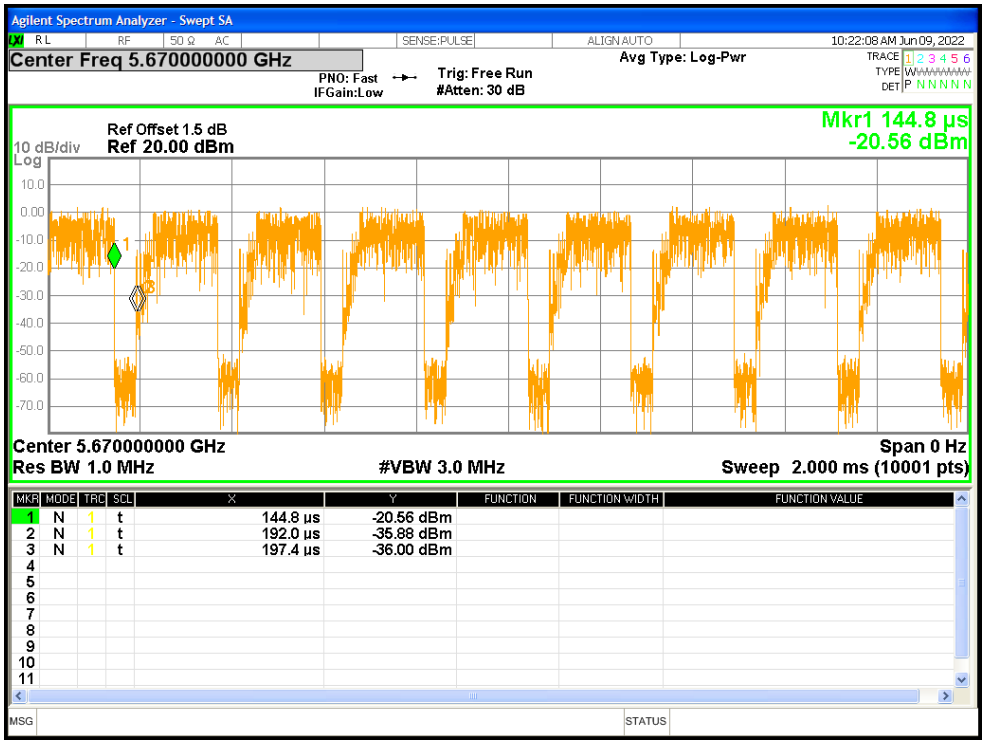
Duty Cycle NVNT ax40 5510MHz



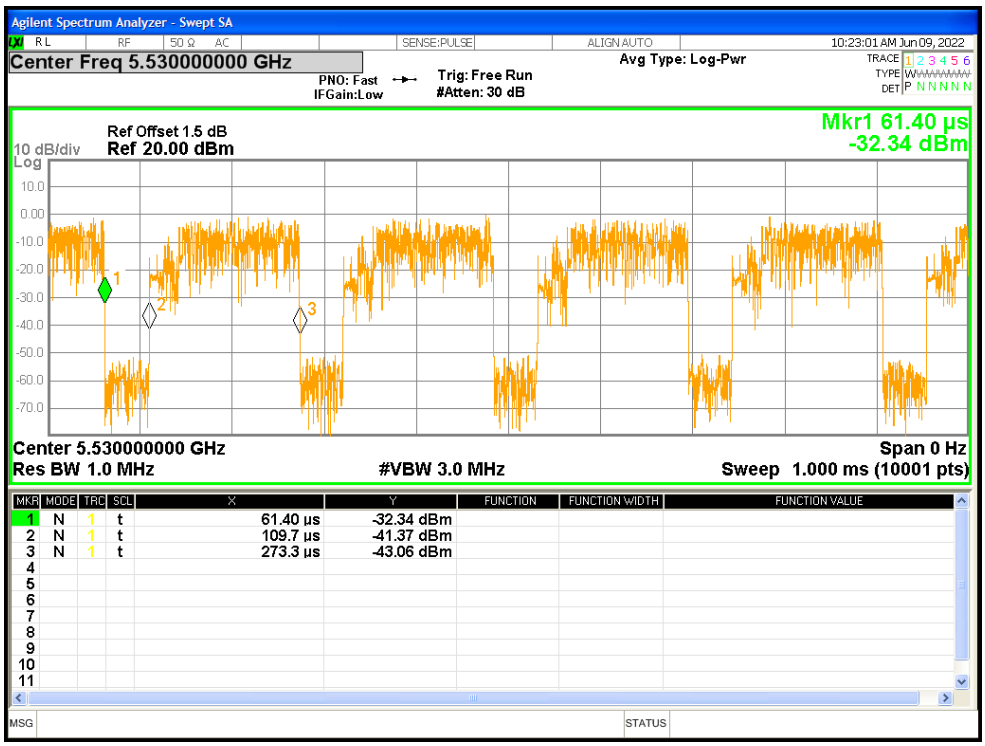
Duty Cycle NVNT ax40 5550MHz



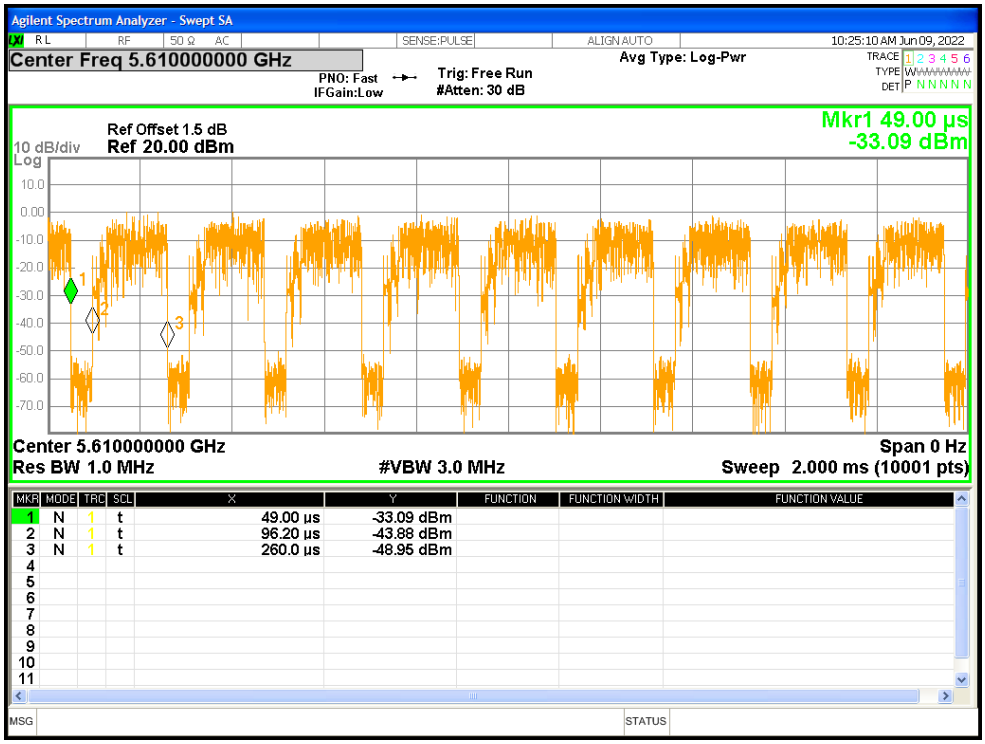
Duty Cycle NVNT ax40 5670MHz



Duty Cycle NVNT ax80 5530MHz



Duty Cycle NVNT ax80 5610MHz



Maximum Conducted Output Power

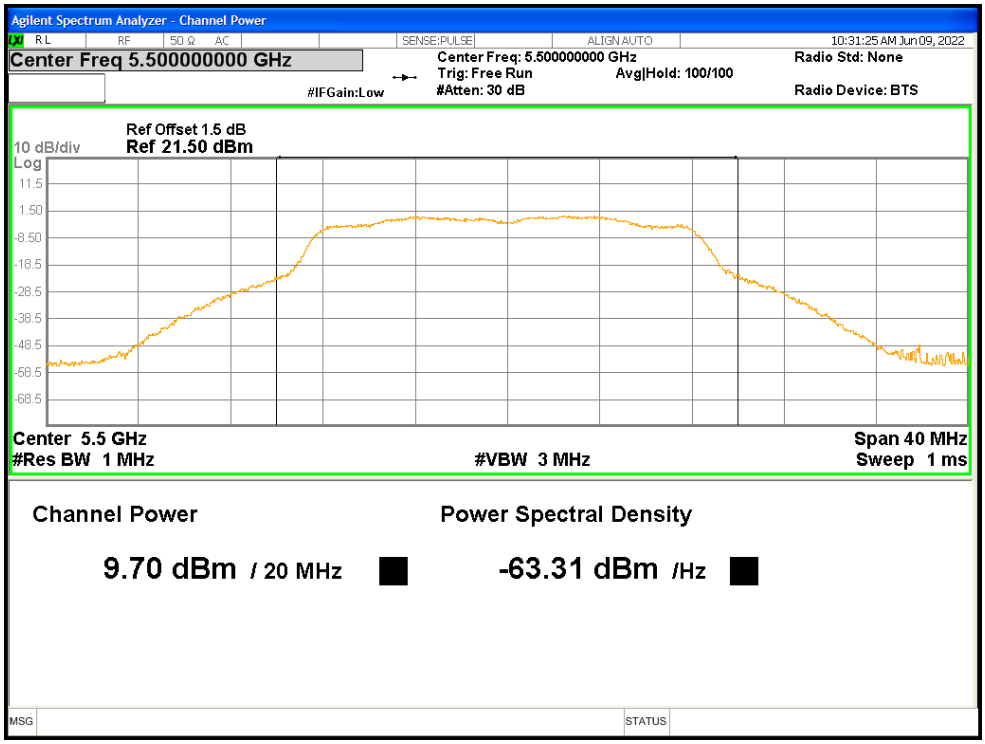
Band III(5.47-5.725GHz)								
Test Channel	Frequency (MHz)	Direct measurement Ant_A AV Power (dBm)	Direct measurement Ant B_AV Power (dBm)	Duty cycle factor (dB)	Final Ant_A AV Power (dBm)	Final Ant_B AV Power (dBm)	AV Power Total (dBm)	LIMIT (dBm)
802.11a								
100	5500	9.7	9.62	1.16	10.86	10.78	--	23.98
116	5580	9.38	8.91	1.16	10.54	10.07	--	23.98
140	5700	9.51	9.27	1.16	10.67	10.43	--	23.98
802.11n(HT20)								
100	5500	9.86	9.77	1.02	10.88	10.79	13.85	23.98
116	5580	9.51	9.1	1.03	10.54	10.13	13.35	23.98
140	5700	9.58	9.39	1.02	10.60	10.41	13.52	23.98
802.11n(HT40)								
102	5510	10.28	10.18	0.99	11.27	11.17	14.23	23.98
110	5550	10.12	10.07	1	11.12	11.07	14.11	23.98
134	5670	10.07	9.63	1	11.07	10.63	13.87	23.98
802.11ac(VHT20)								
100	5500	9.84	9.66	1.08	10.92	10.74	13.84	23.98
116	5580	9.44	9.06	1.08	10.52	10.14	13.34	23.98
140	5700	9.49	9.35	1.08	10.57	10.43	13.51	23.98
802.11ac(VHT40)								
102	5510	10.08	10.05	1.13	11.21	11.18	14.21	23.98
110	5550	9.93	9.87	1.12	11.05	10.99	14.03	23.98
134	5670	9.92	9.53	1.13	11.05	10.66	13.87	23.98
802.11ac(VHT80)								
106	5530	10.13	10.01	1.12	11.25	11.13	14.20	23.98
122	5610	9.73	9.36	1.08	10.81	10.44	13.64	23.98
802.11ac(VHT160)								
114	5570	10.01	9.7	1.09	11.10	10.79	13.96	23.98
802.11ax(HE20)								
100	5500	10.21	10.12	0.73	10.94	10.85	13.91	23.98
116	5580	9.94	9.44	0.73	10.67	10.17	13.44	23.98
140	5700	9.98	9.76	0.73	10.71	10.49	13.61	23.98
802.11ax(HE40)								
102	5510	9.96	9.89	1.04	11.00	10.93	13.98	23.98
110	5550	9.8	9.65	1.01	10.81	10.66	13.75	23.98
134	5670	9.72	9.35	1.13	10.85	10.48	13.68	23.98
802.11ax(HE80)								
106	5530	9.87	9.77	1.12	10.99	10.89	13.95	23.98

122	5610	9.46	9.14	1.1	10.56	10.24	13.41	23.98
802.11ax(HE160)								
114	5570	9.88	9.49	1.11	10.99	10.60	13.81	23.98

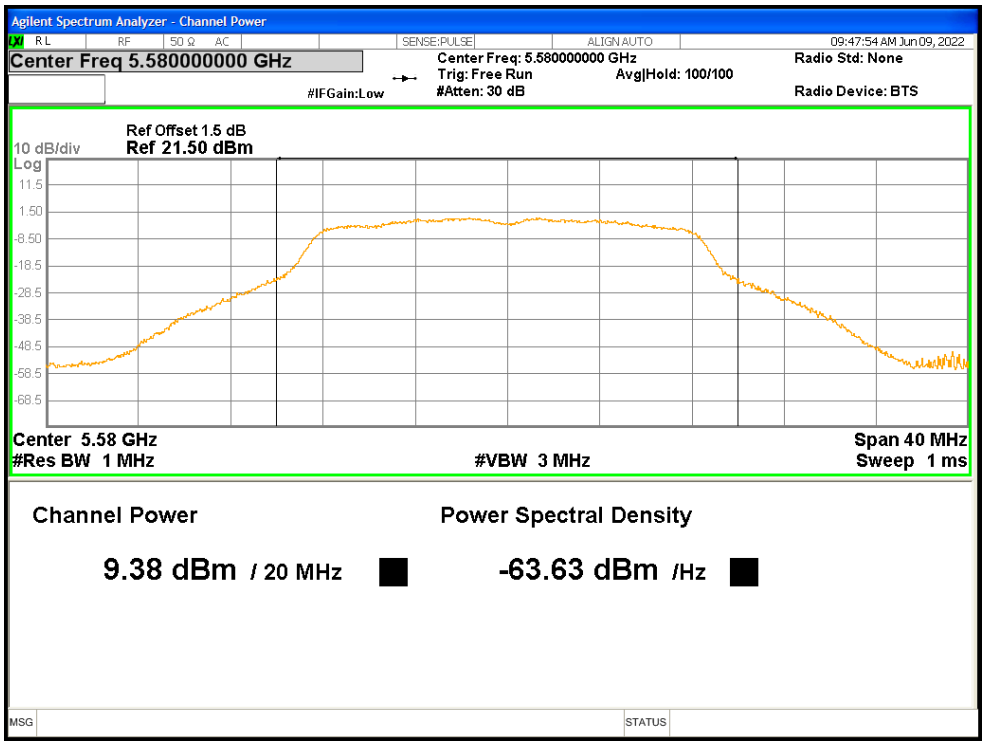
ANT_A

Test Graphs

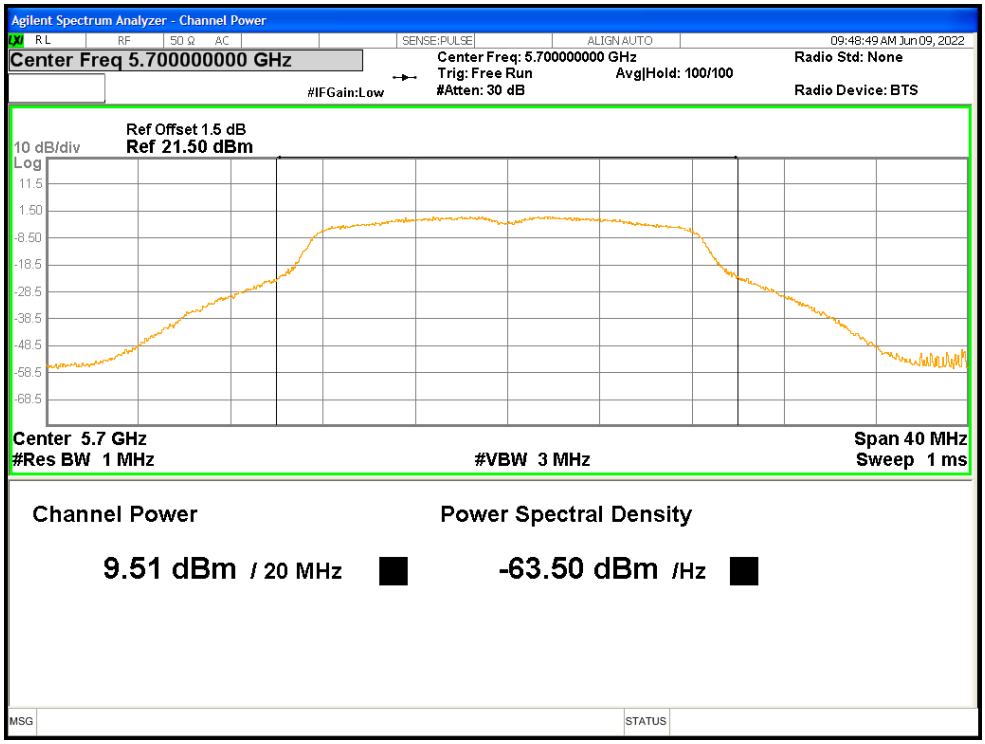
Power NVNT a 5500MHz



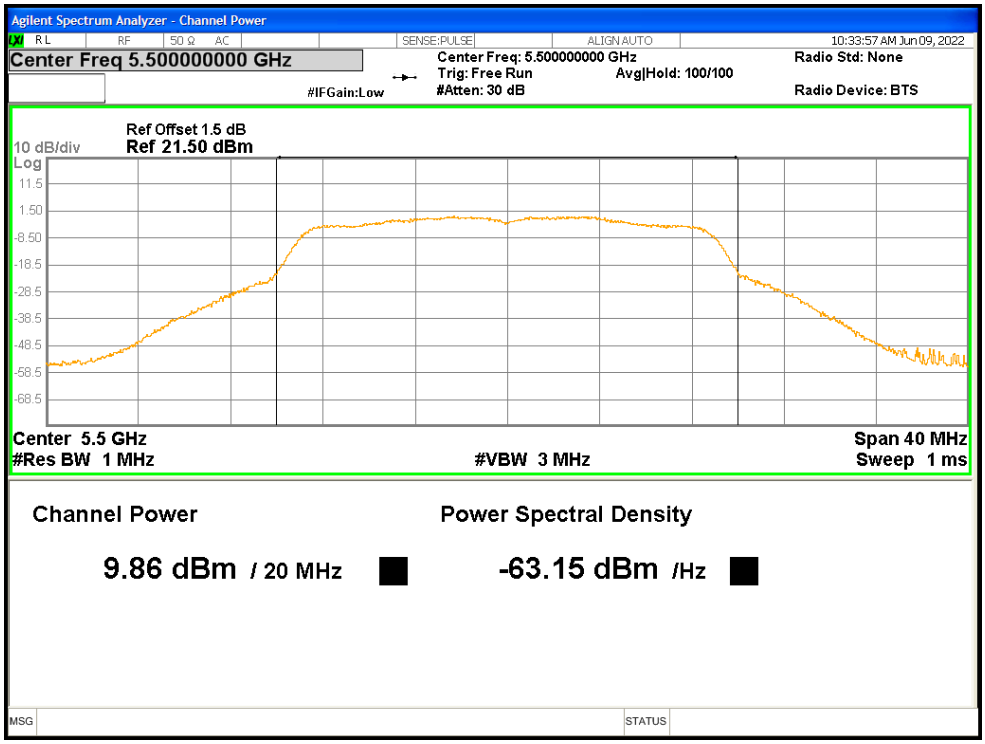
Power NVNT a 5580MHz



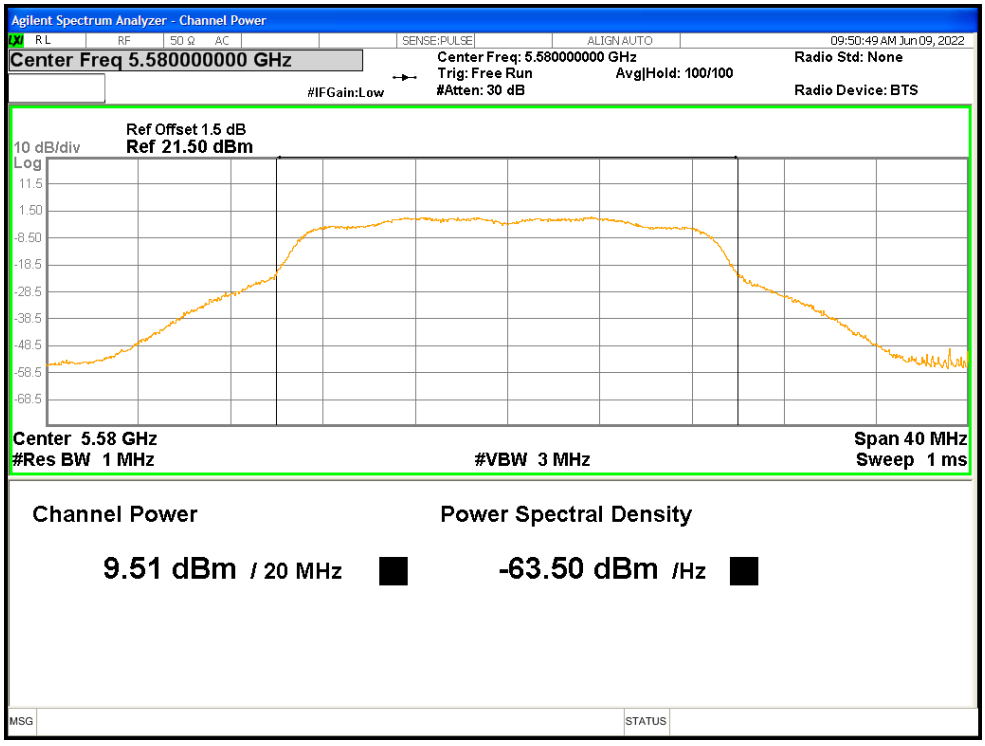
Power NVNT a 5700MHz



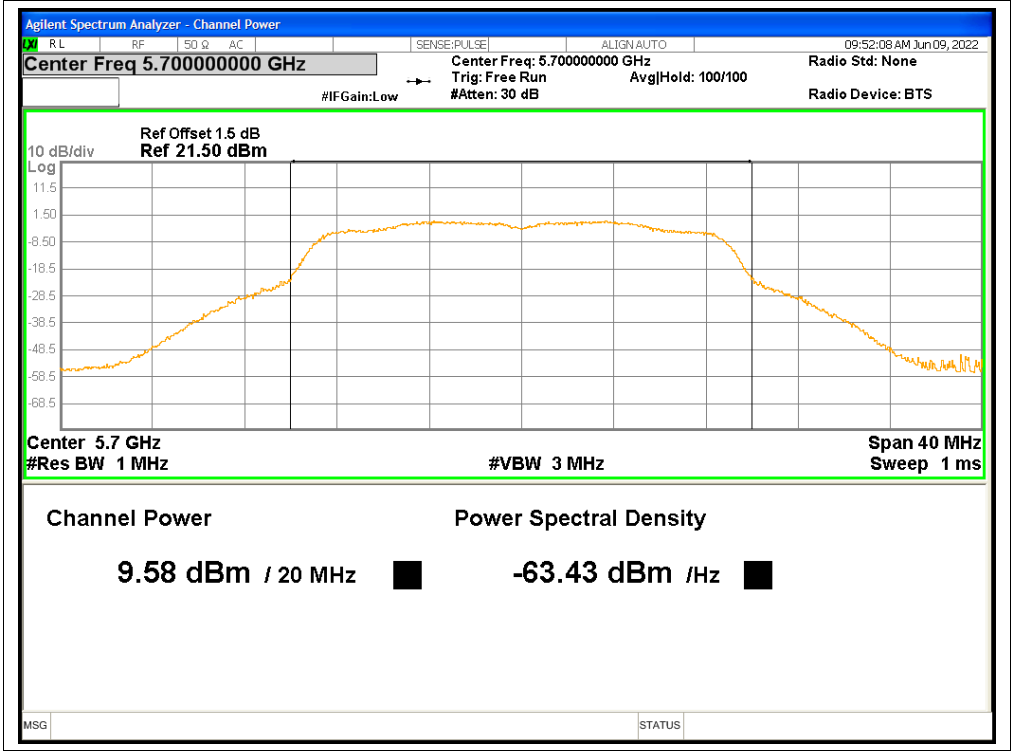
Power NVNT n20 5500MHz



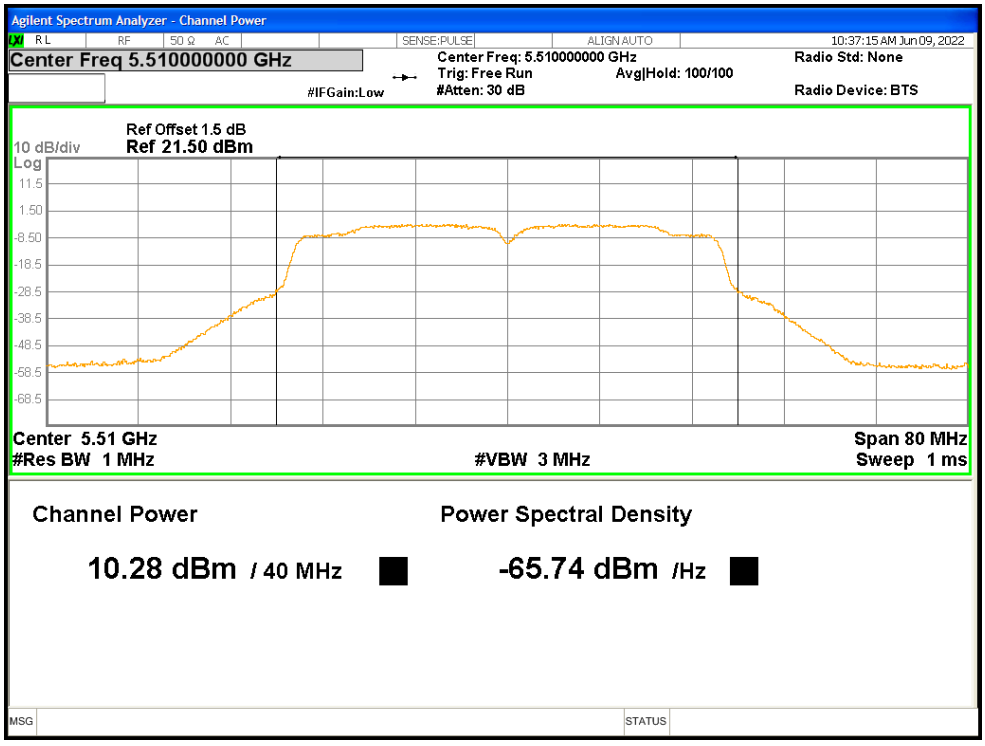
Power NVNT n20 5580MHz



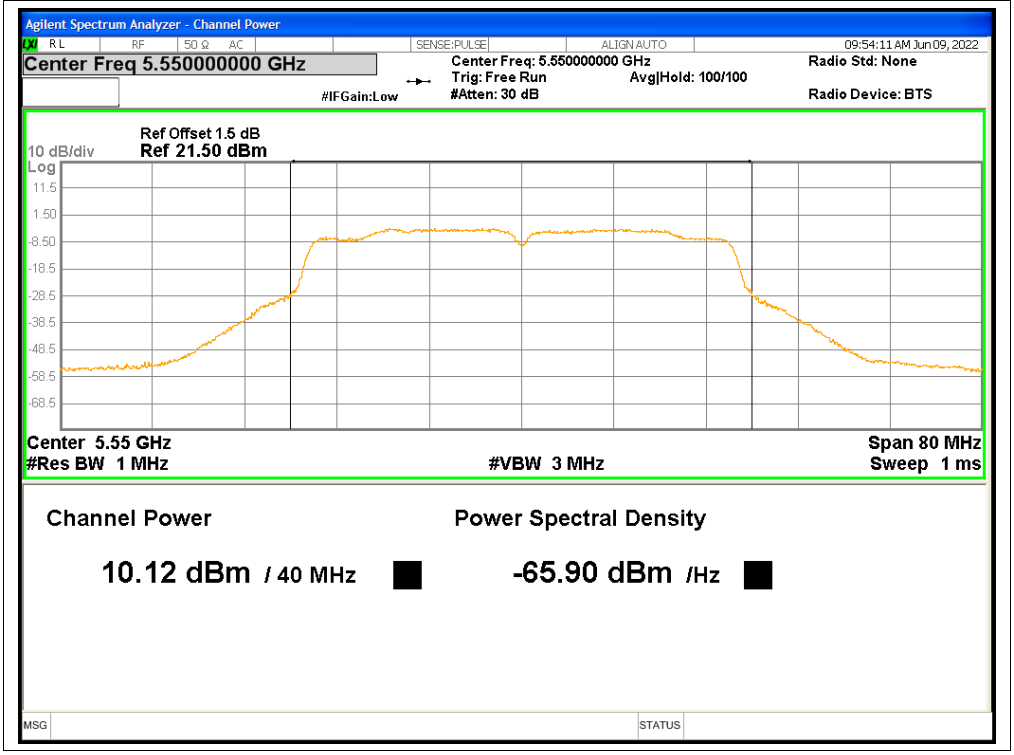
Power NVNT n20 5700MHz



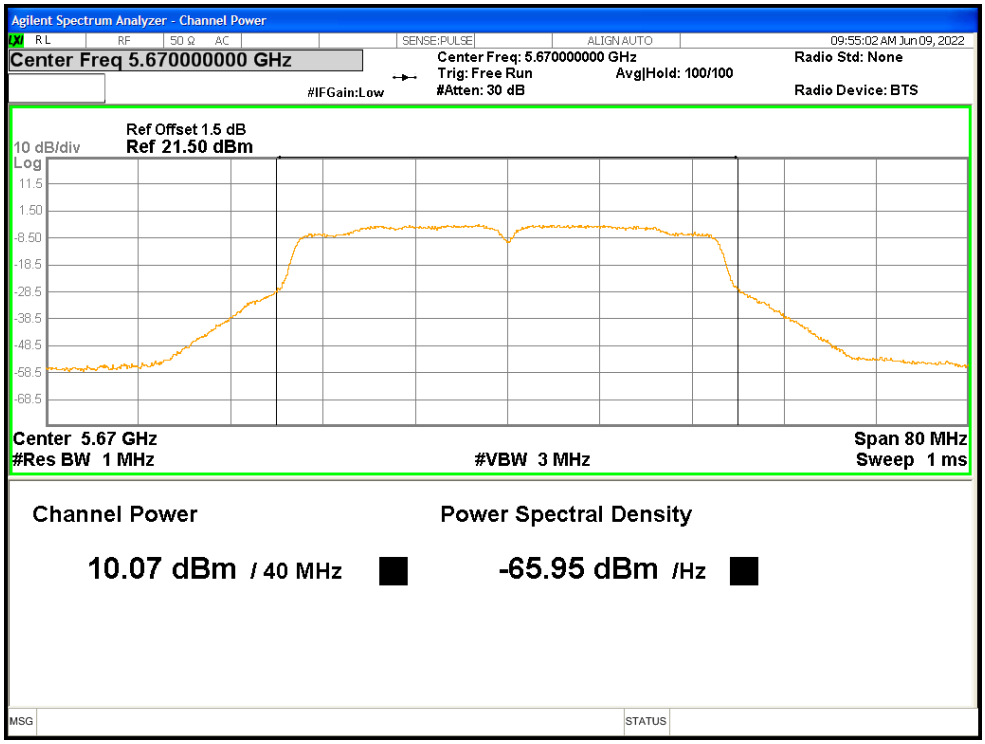
Power NVNT n40 5510MHz



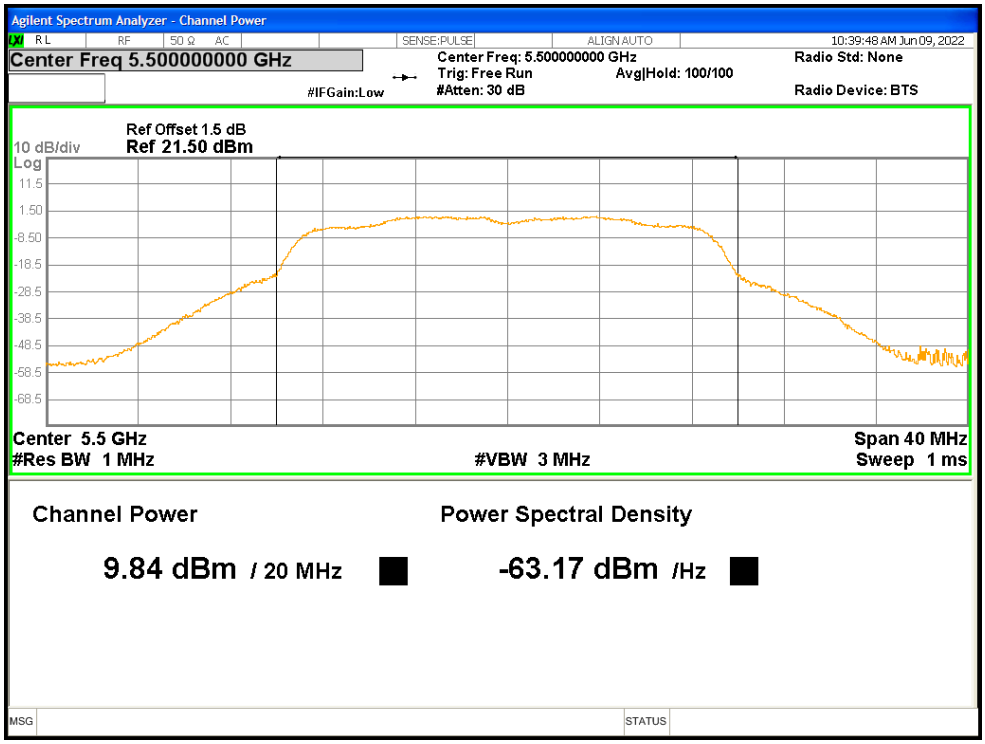
Power NVNT n40 5550MHz



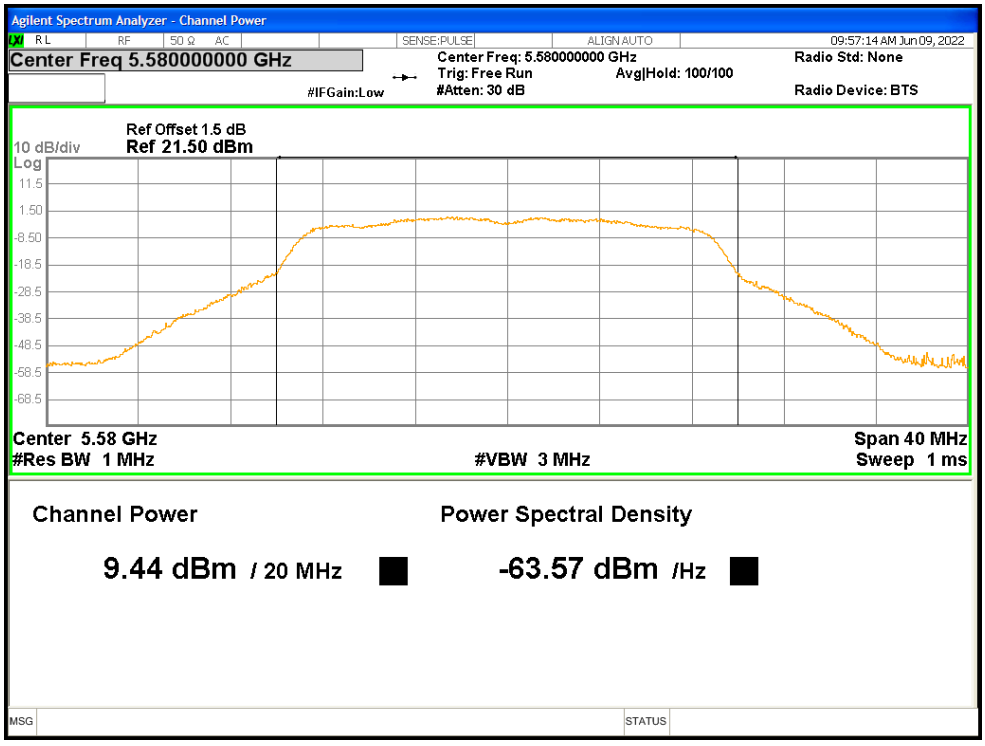
Power NVNT n40 5670MHz



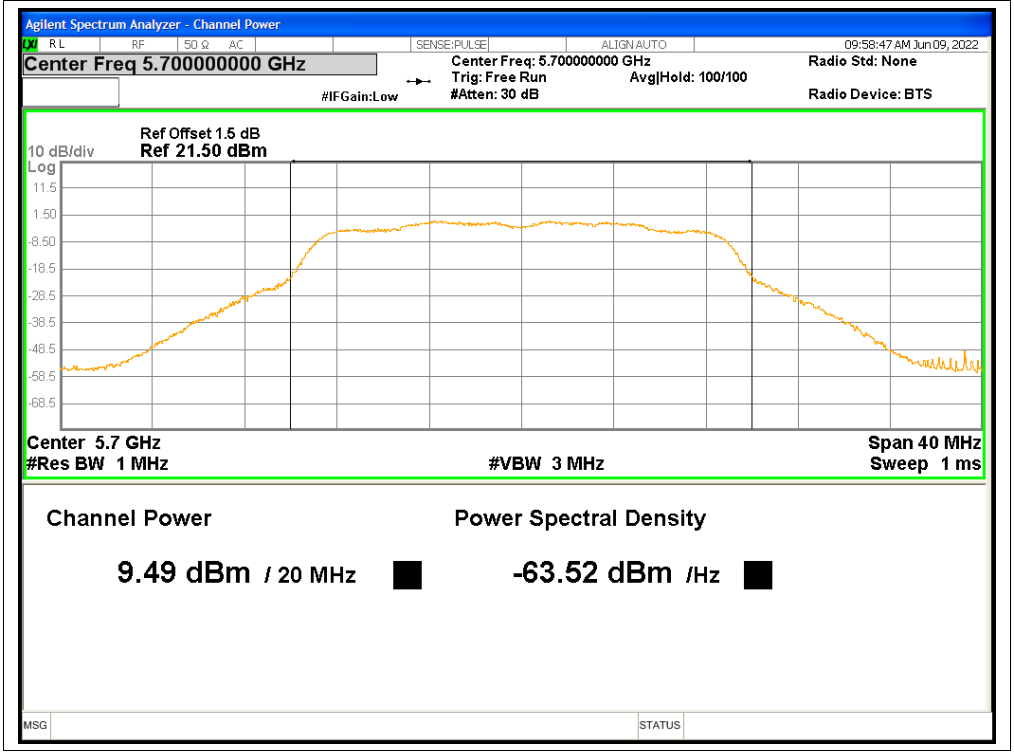
Power NVNT ac20 5500MHz



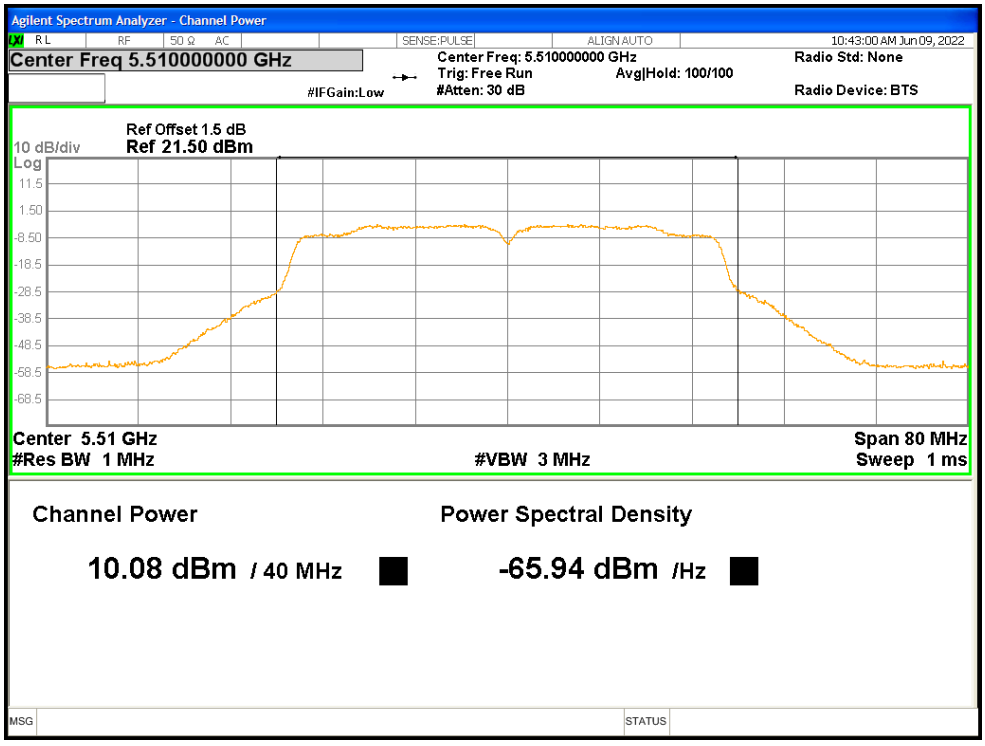
Power NVNT ac20 5580MHz



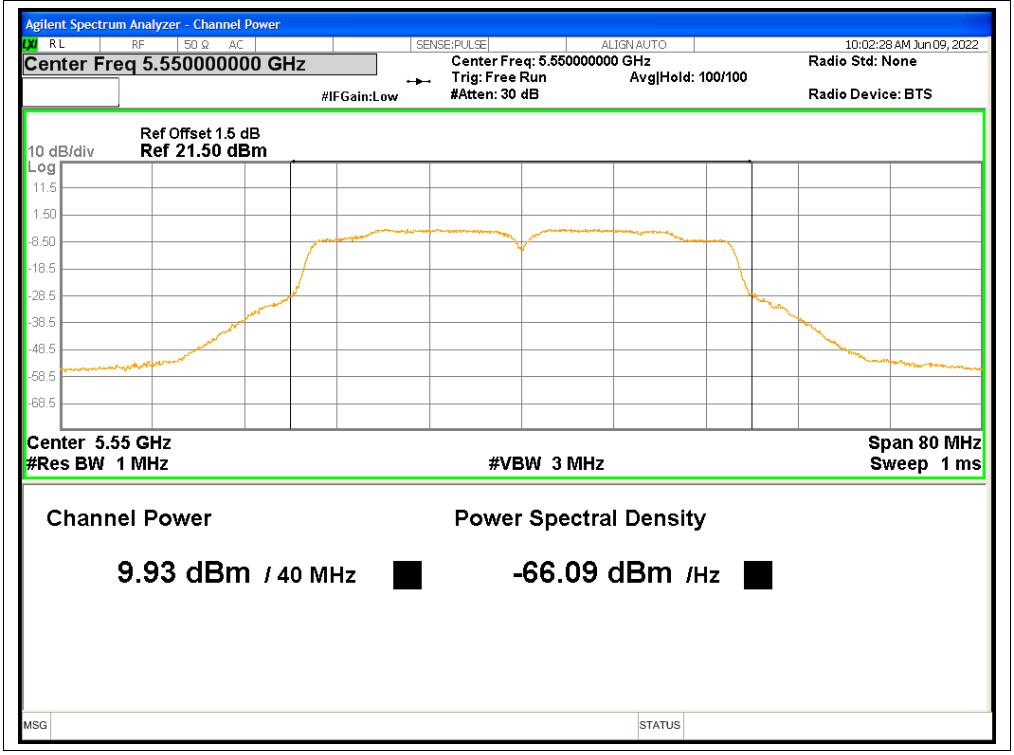
Power NVNT ac20 5700MHz



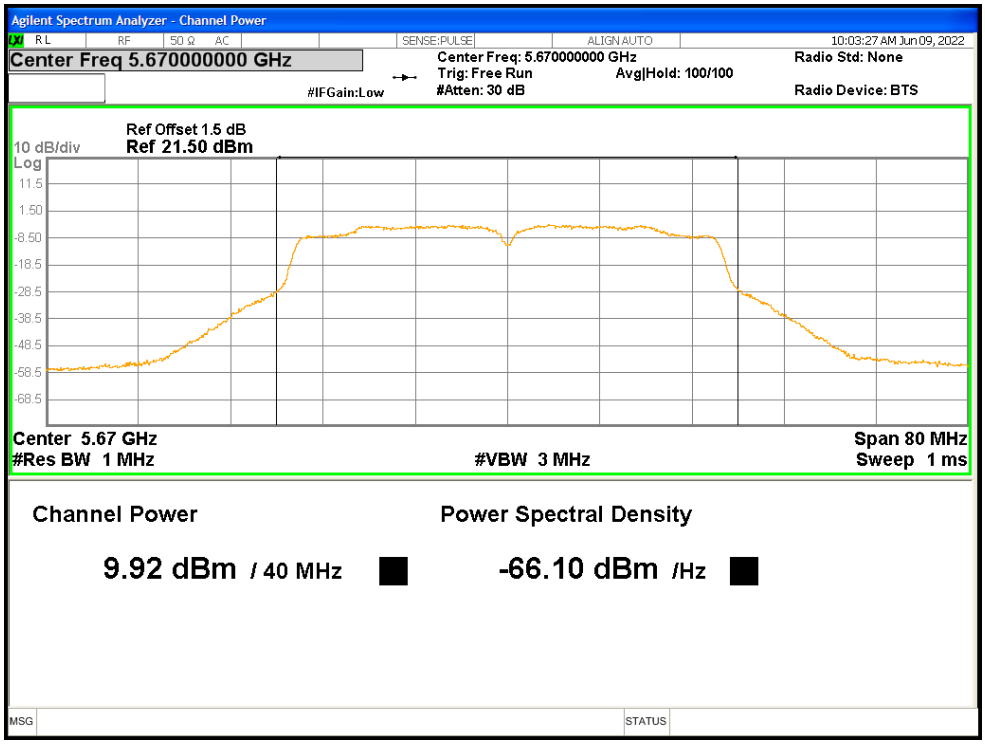
Power NVNT ac40 5510MHz



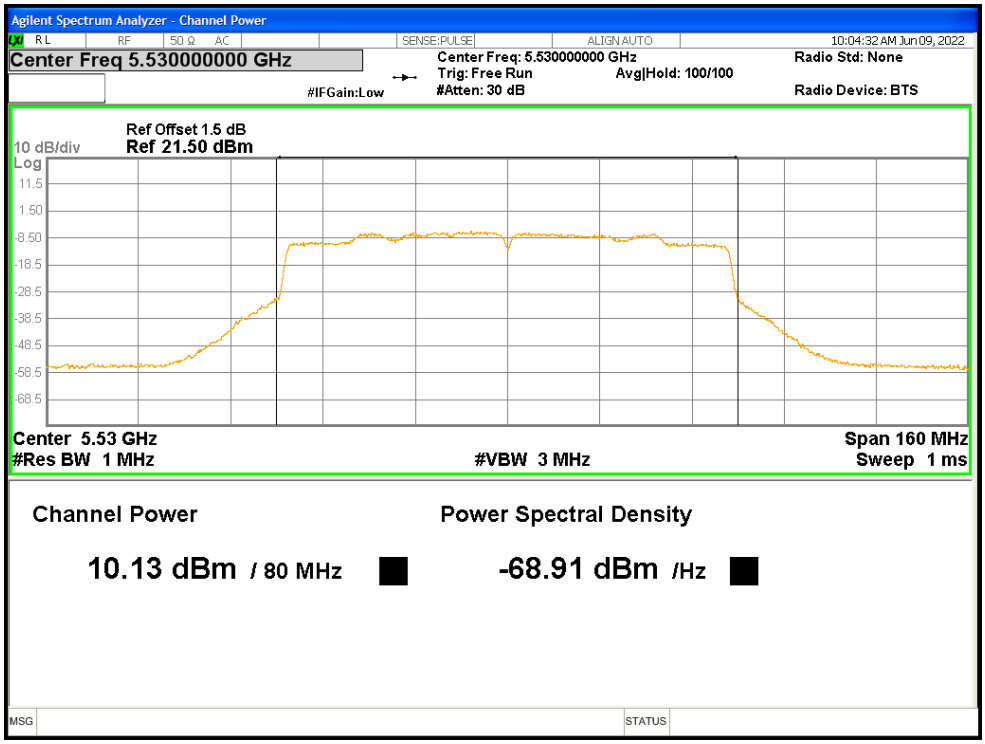
Power NVNT ac40 5550MHz



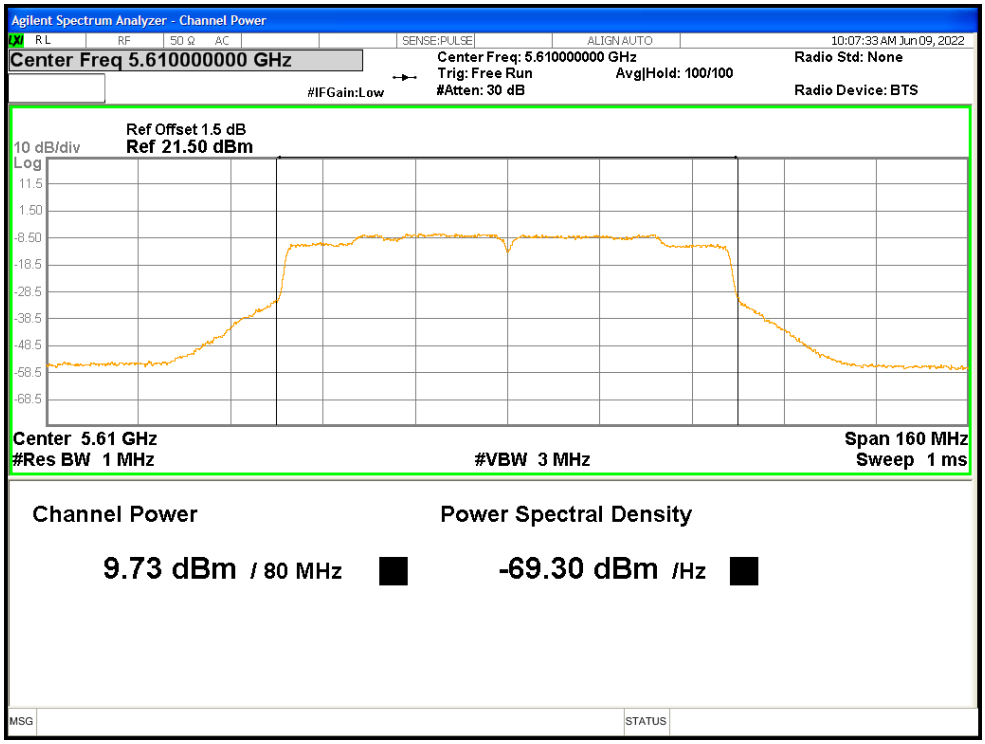
Power NVNT ac40 5670MHz



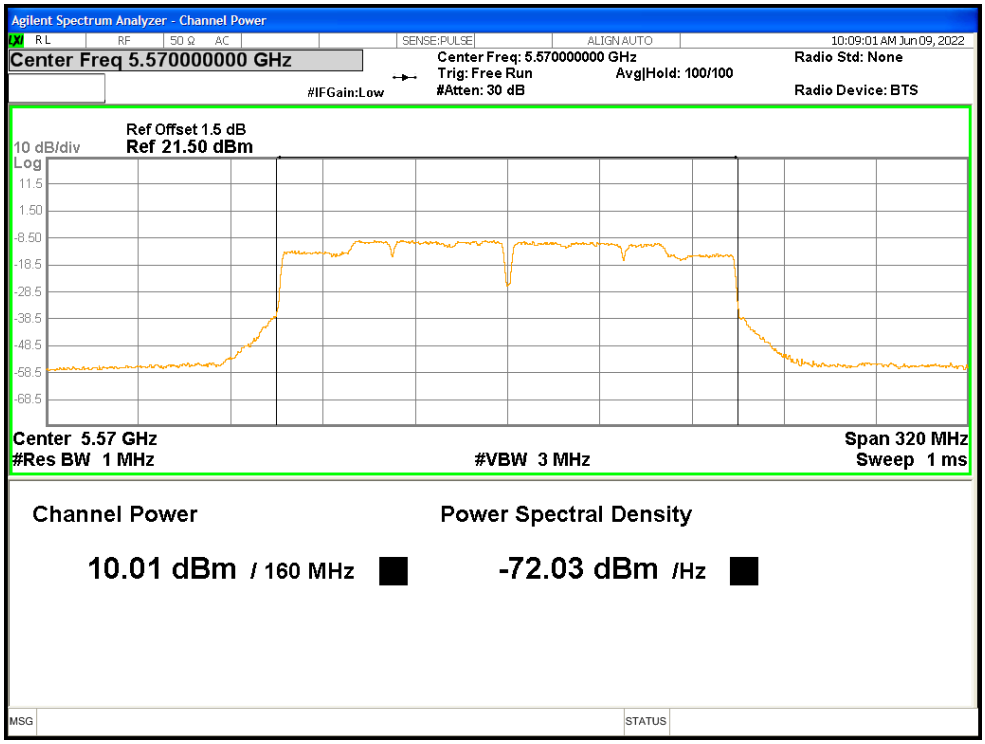
Power NVNT ac80 5530MHz



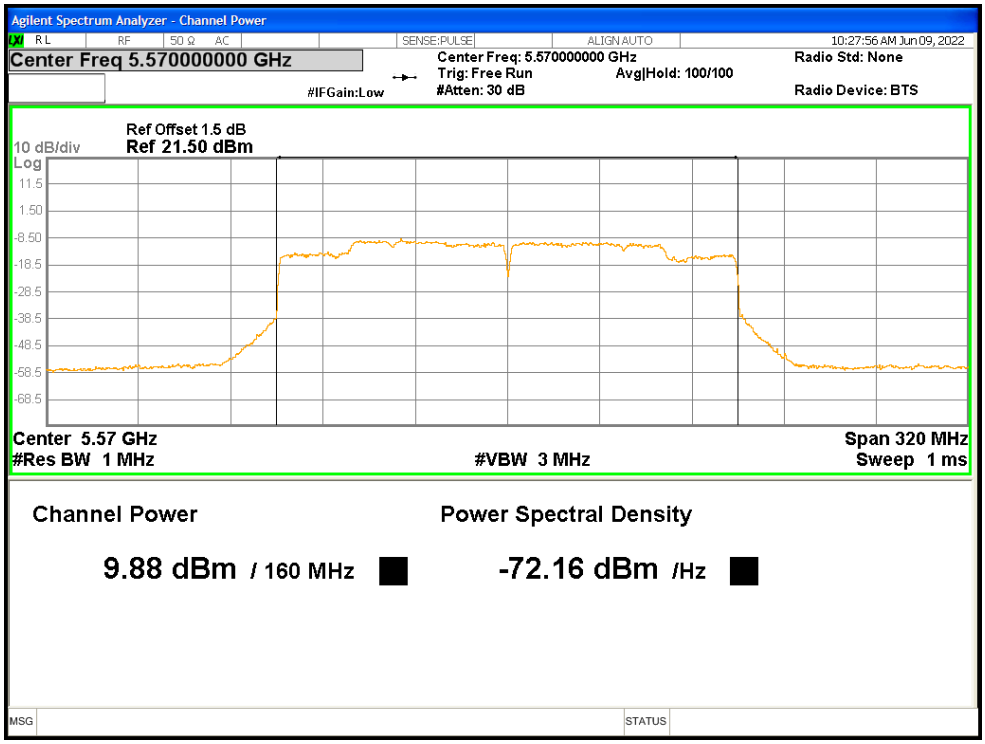
Power NVNT ac80 5610MHz



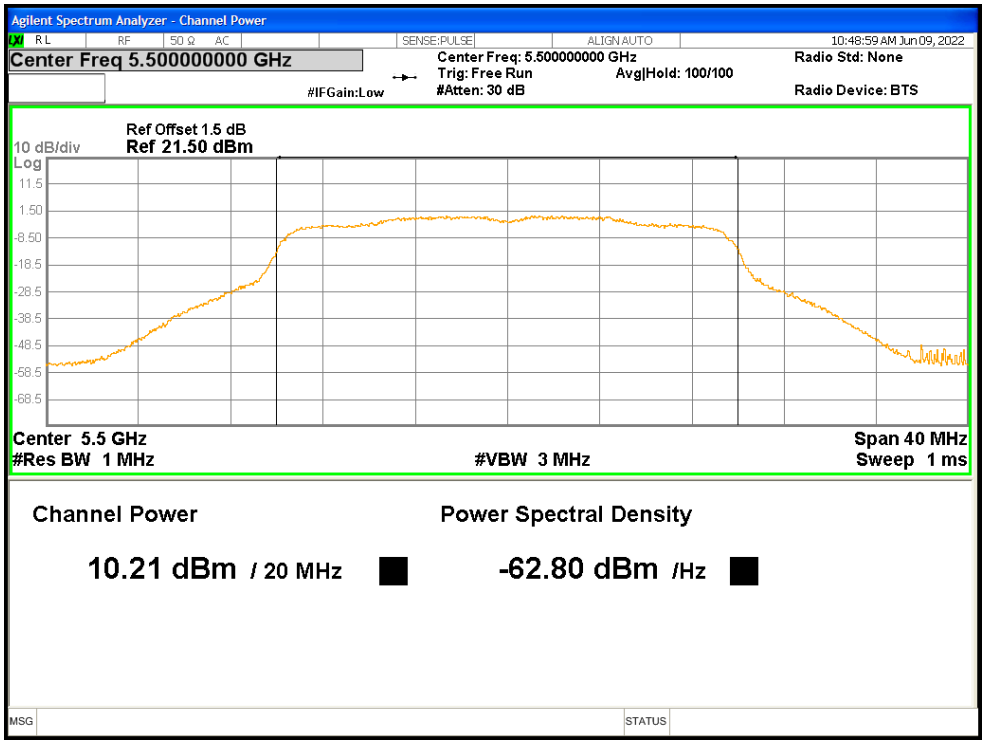
Power NVNT ac160 5570MHz



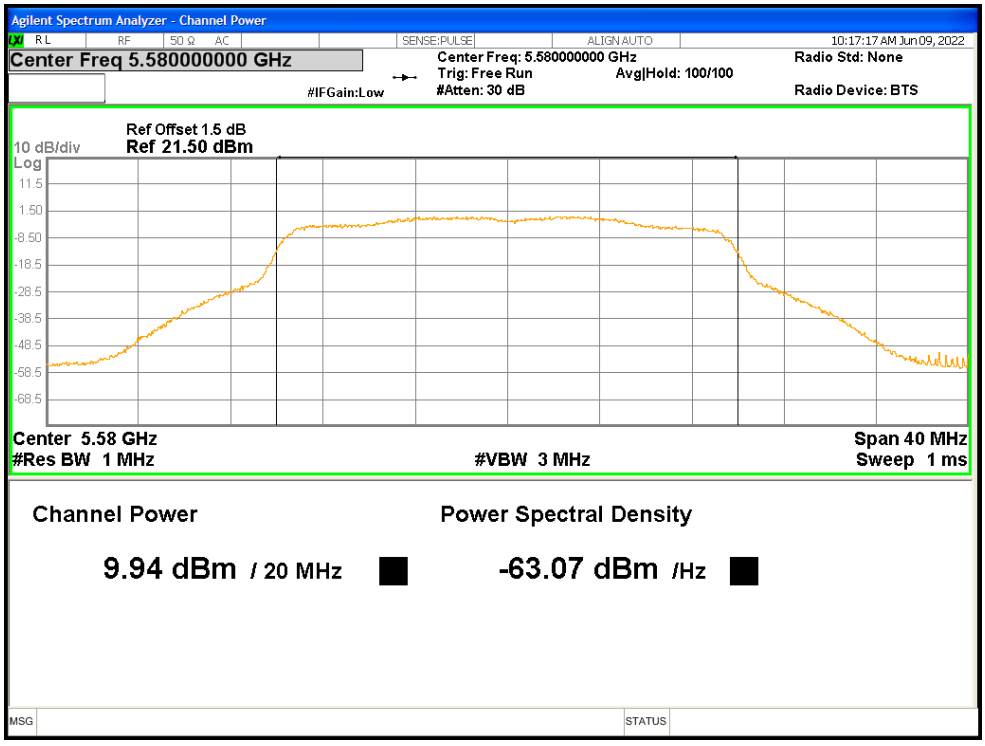
Power NVNT ax160 5570MHz



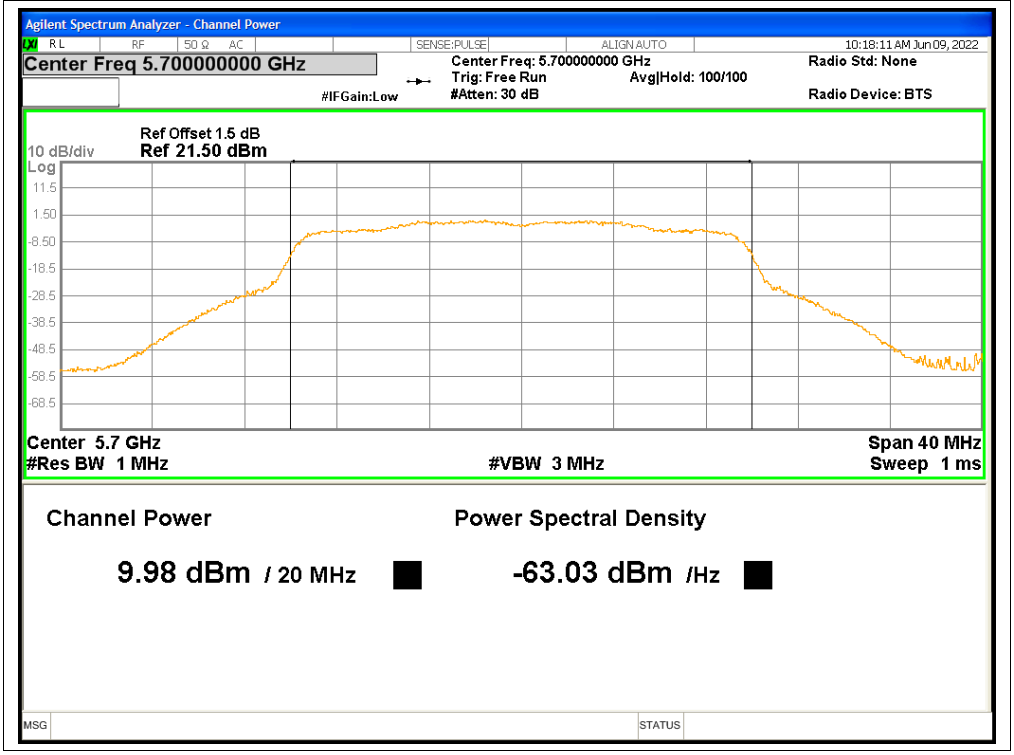
Power NVNT ax20 5500MHz



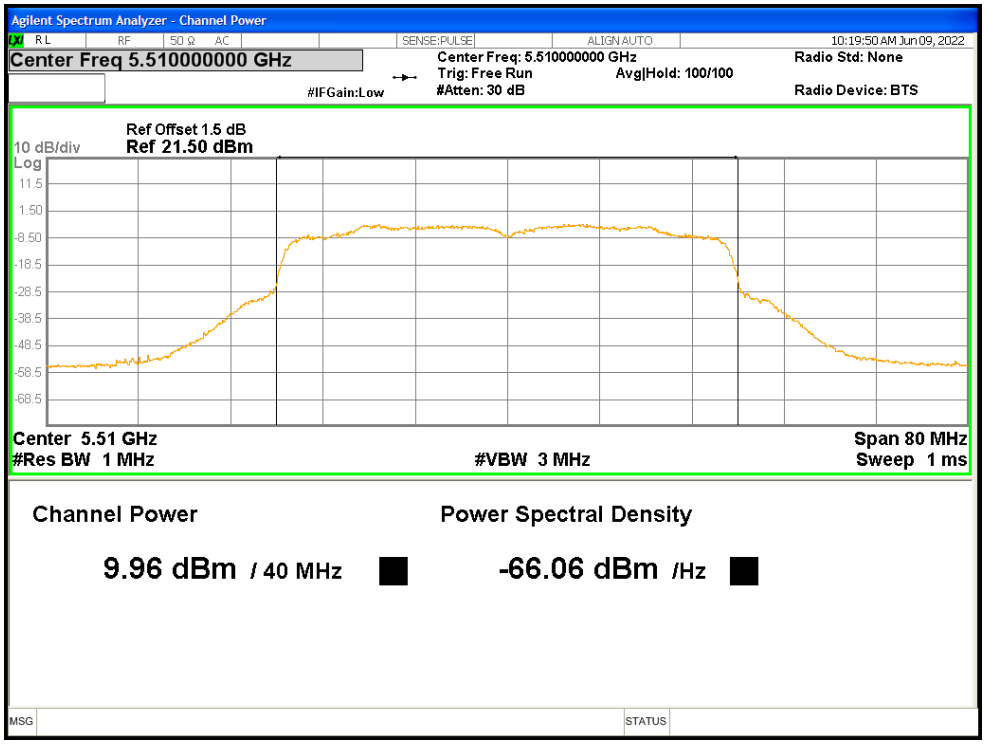
Power NVNT ax20 5580MHz



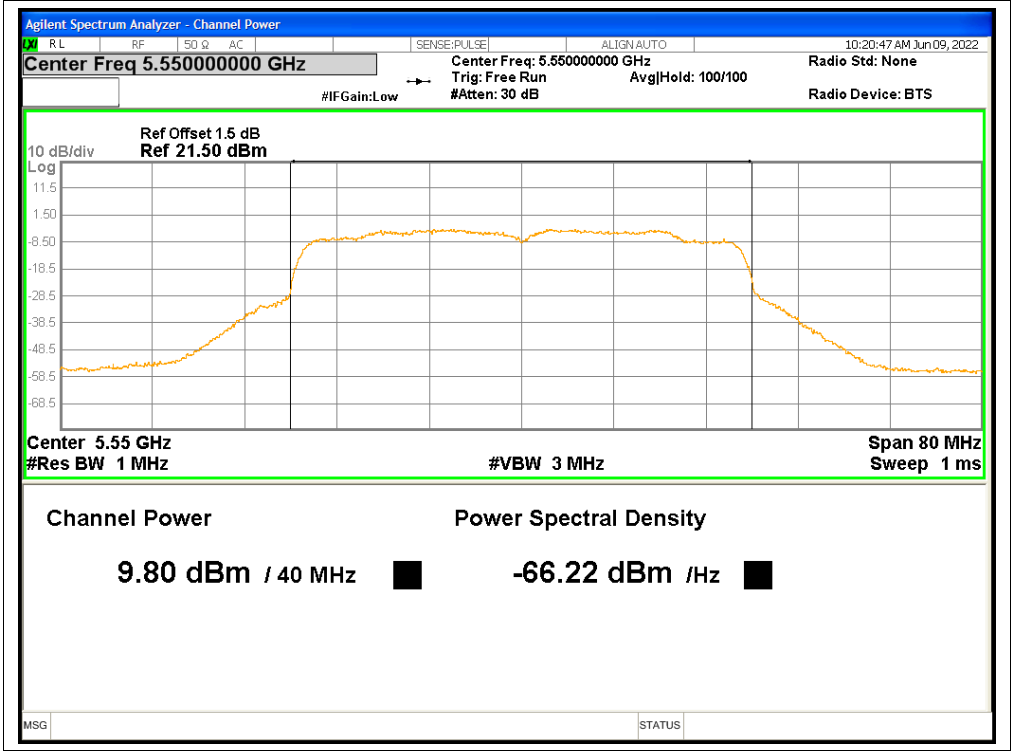
Power NVNT ax20 5700MHz



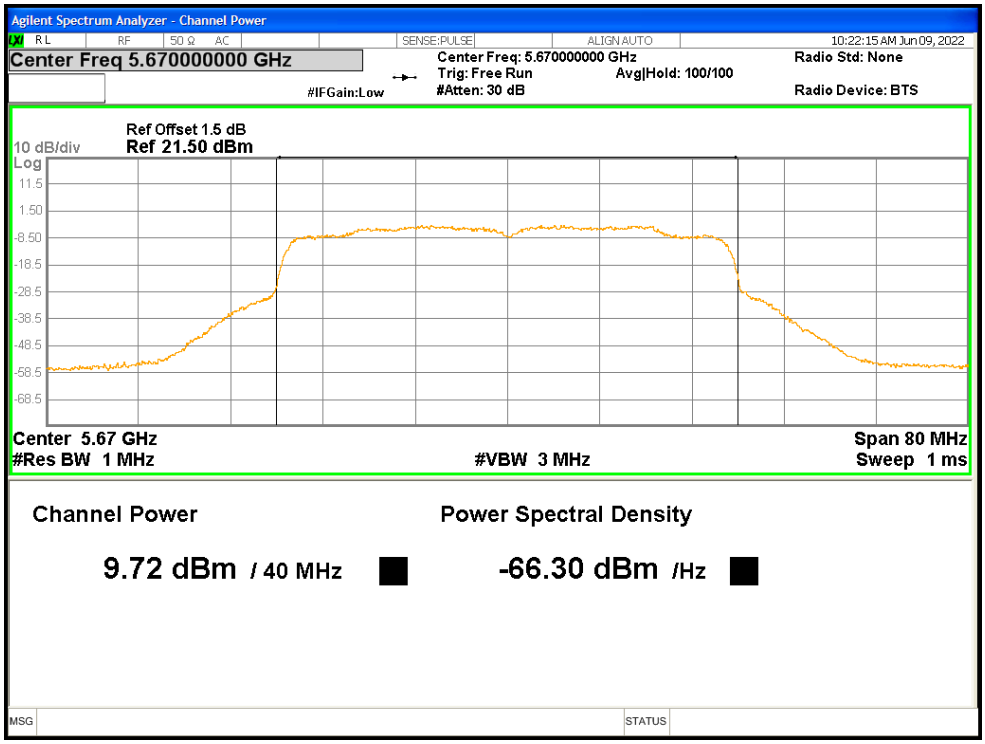
Power NVNT ax40 5510MHz



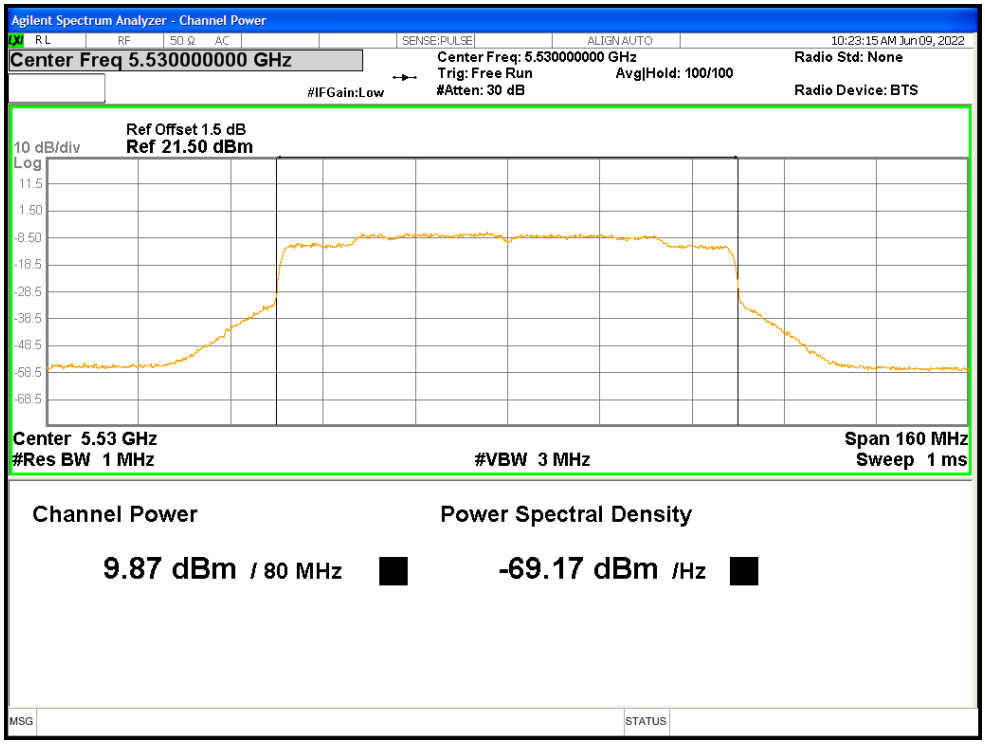
Power NVNT ax40 5550MHz



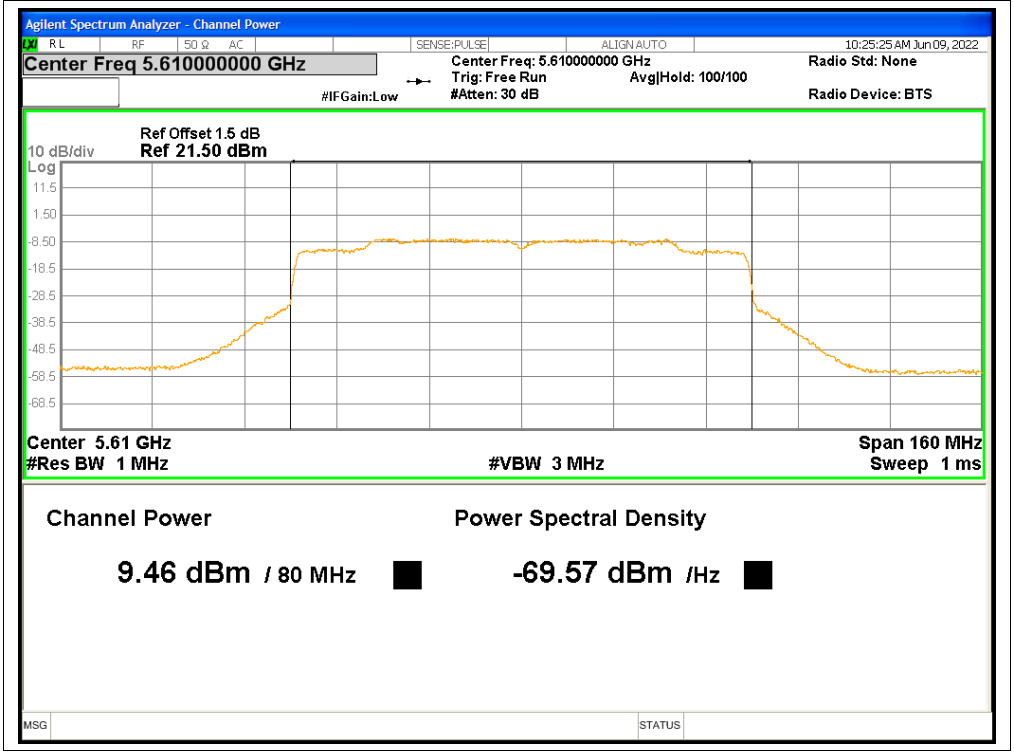
Power NVNT ax40 5670MHz



Power NVNT ax80 5530MHz

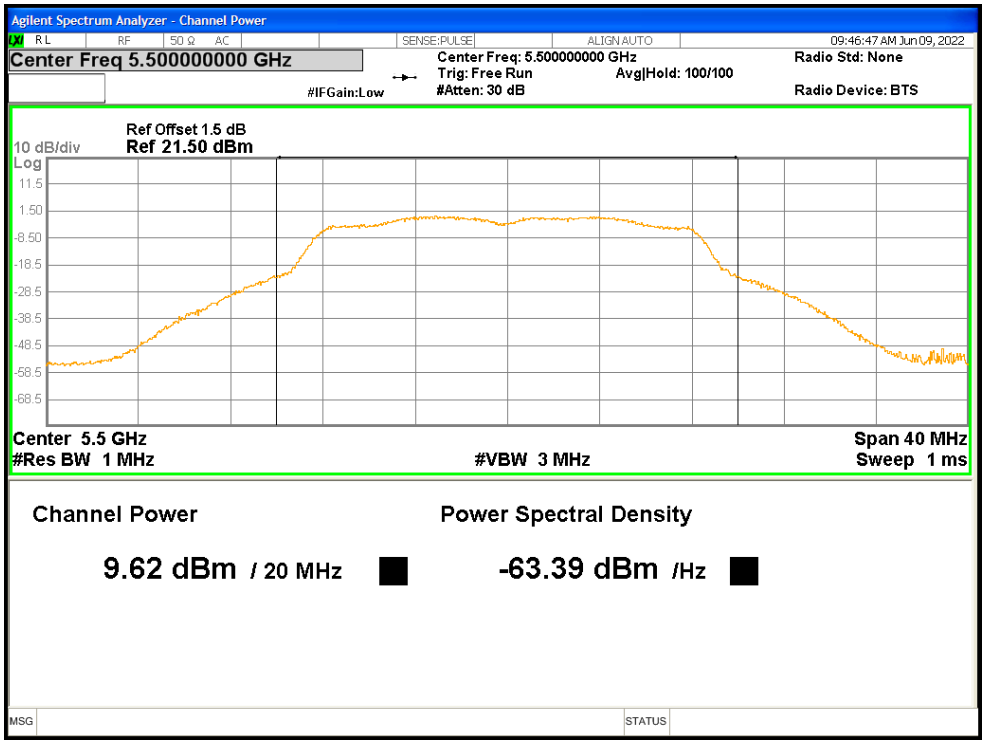


Power NVNT ax80 5610MHz

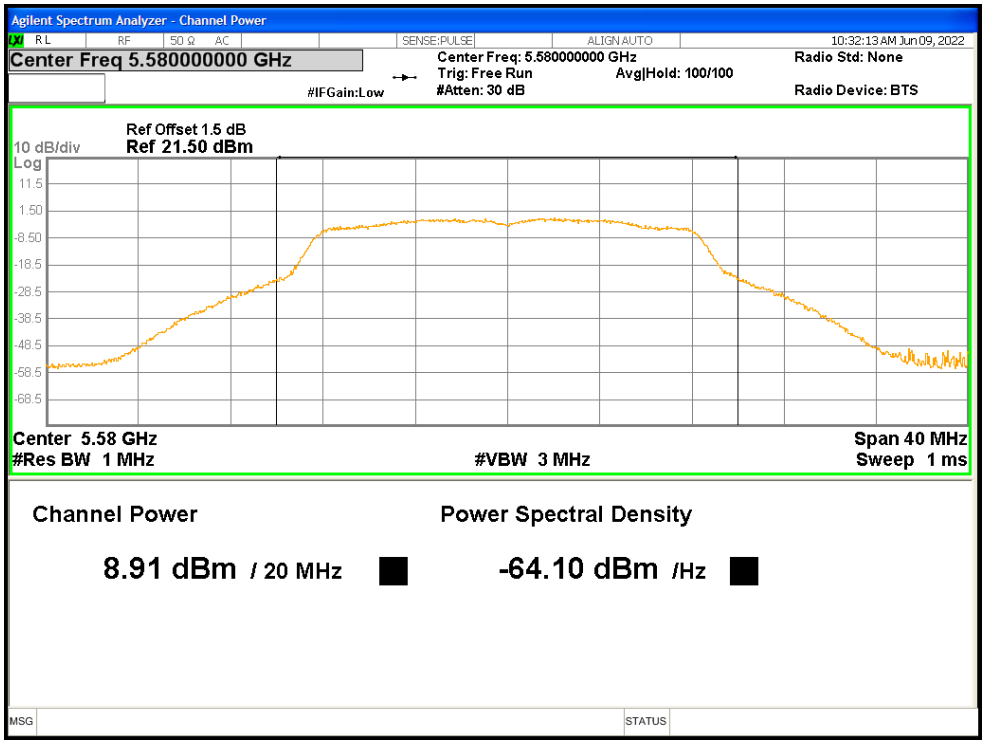


ANT_B

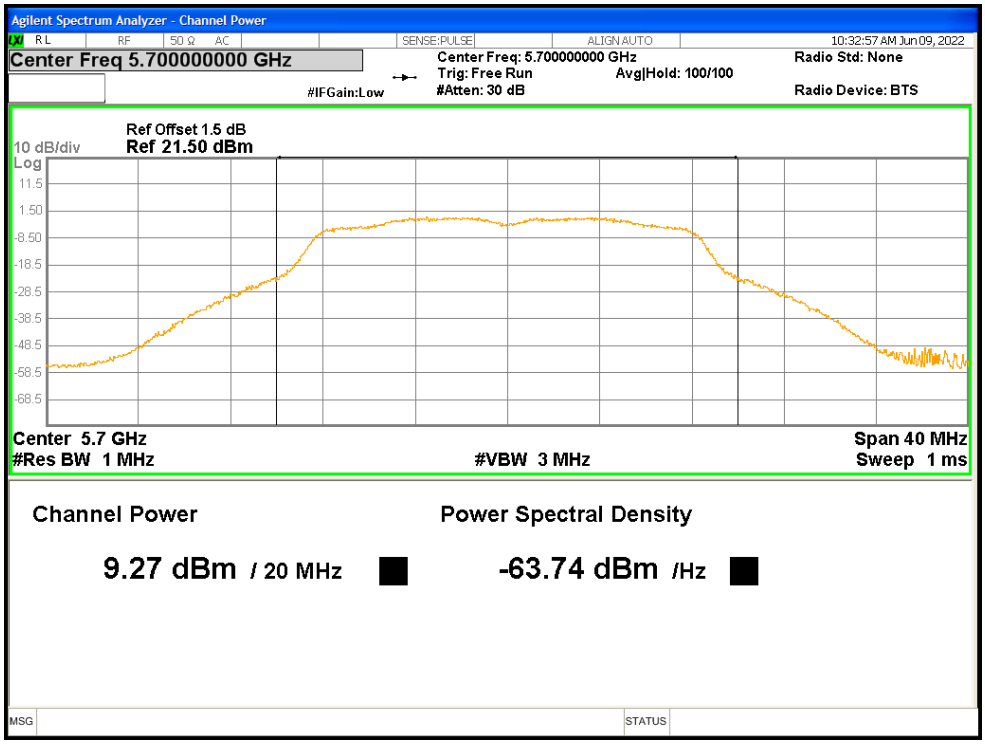
Power NVNT a 5500MHz



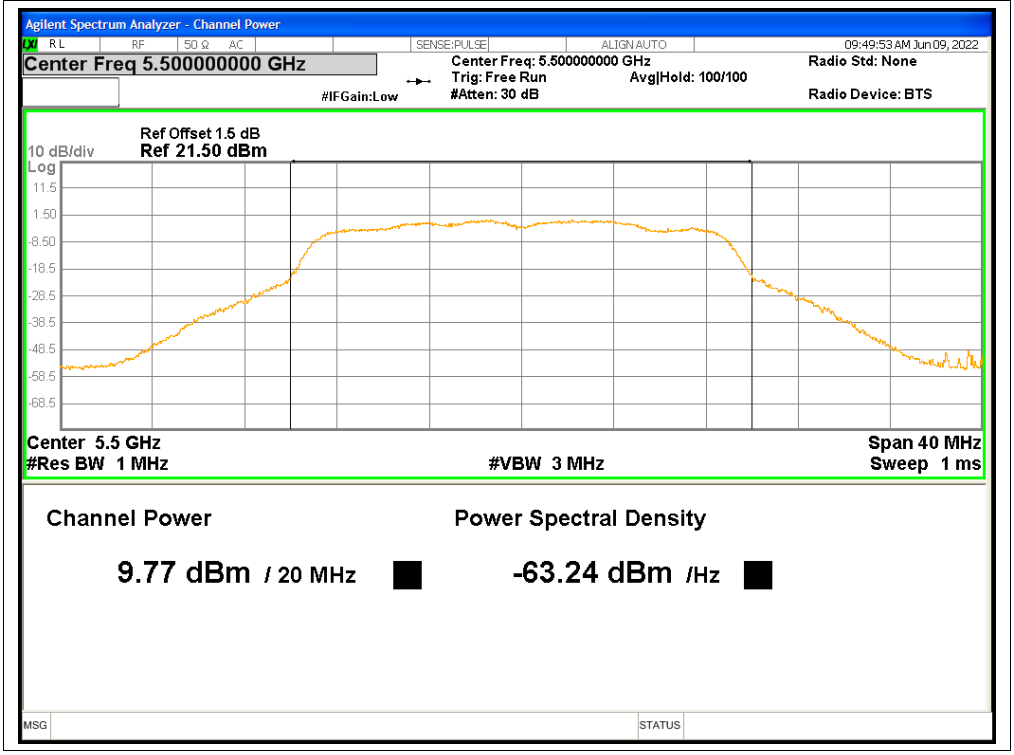
Power NVNT a 5580MHz



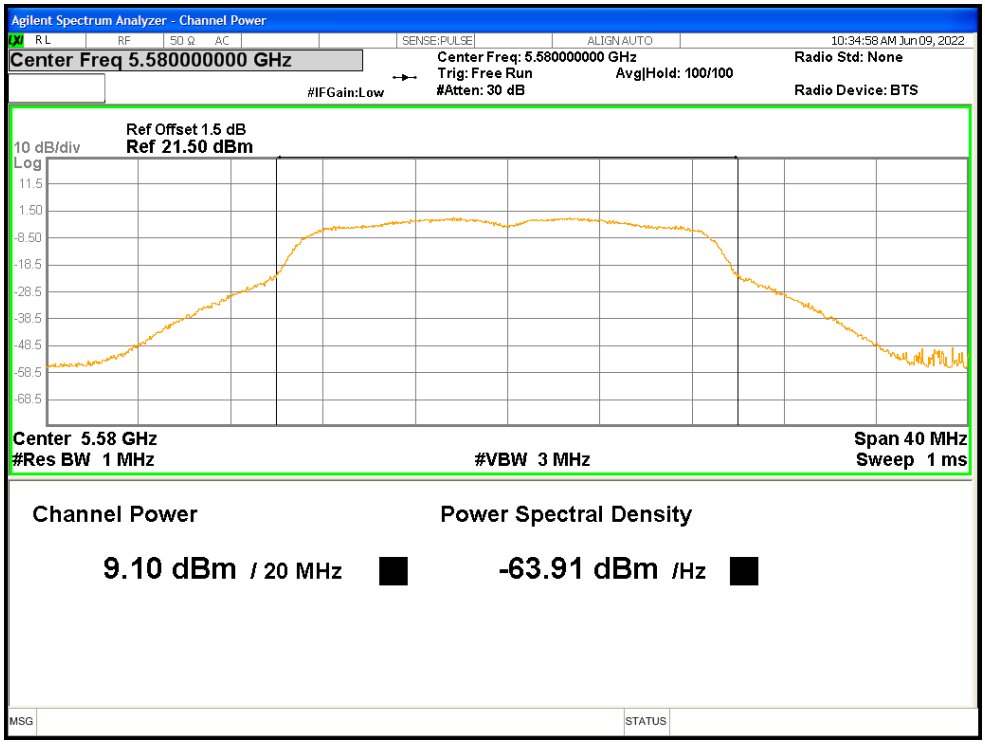
Power NVNT a 5700MHz



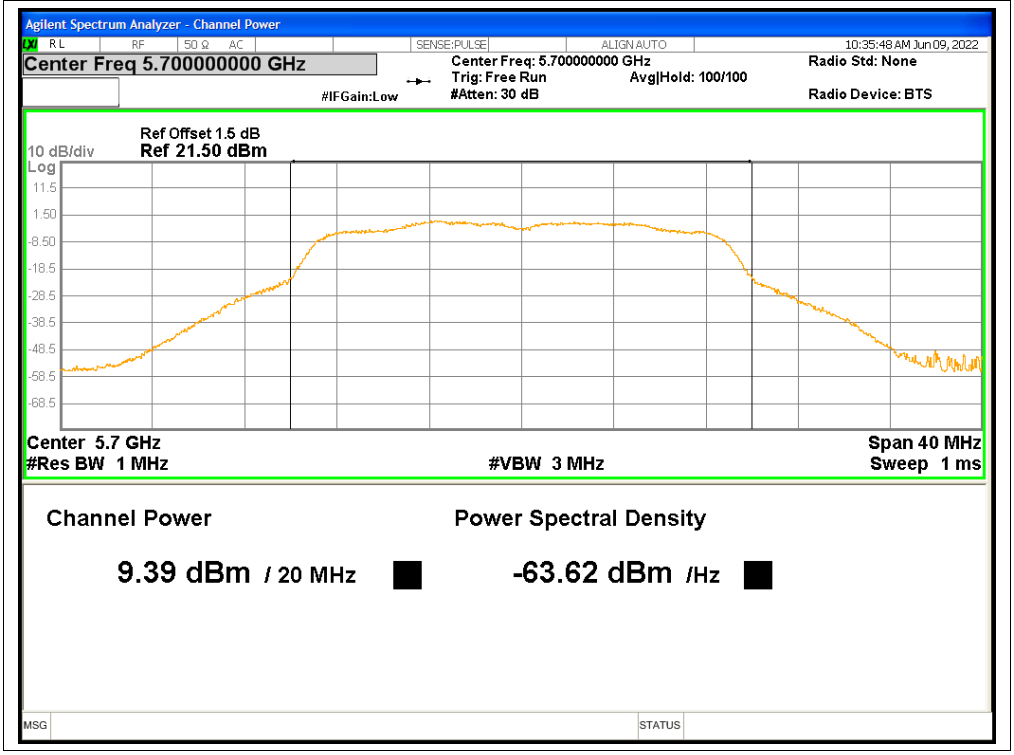
Power NVNT n20 5500MHz



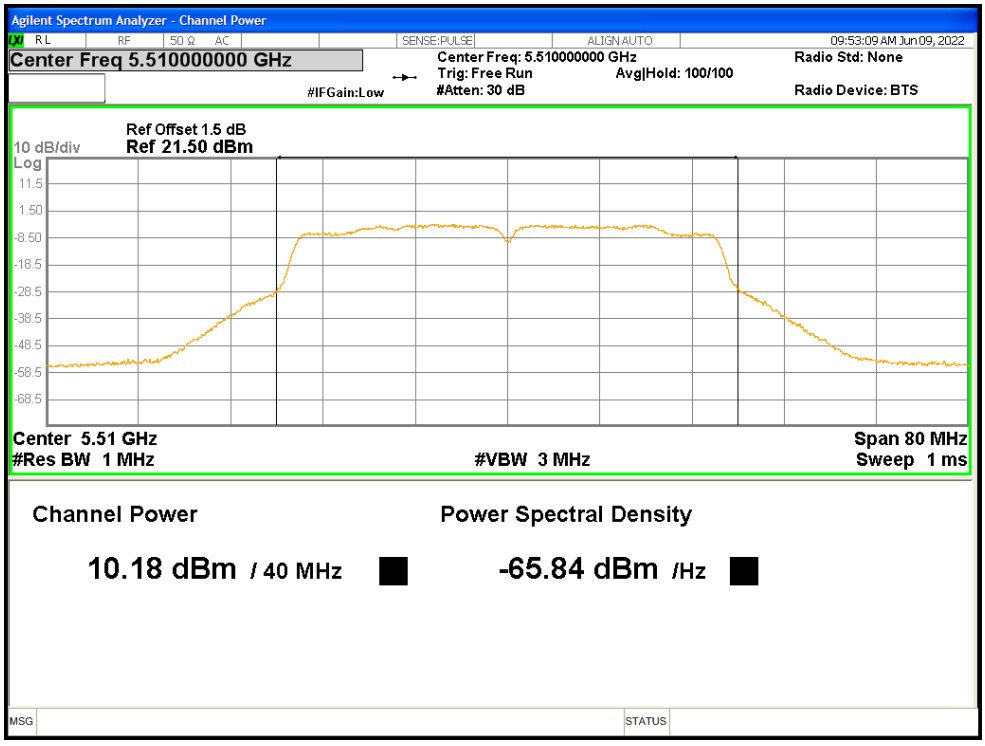
Power NVNT n20 5580MHz



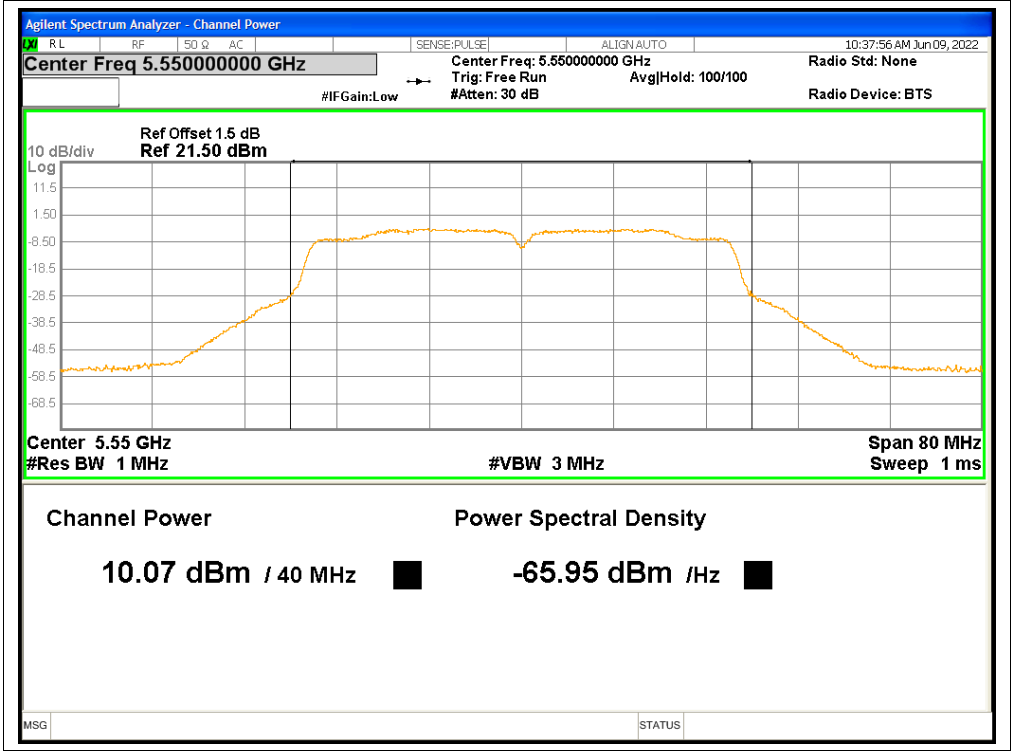
Power NVNT n20 5700MHz



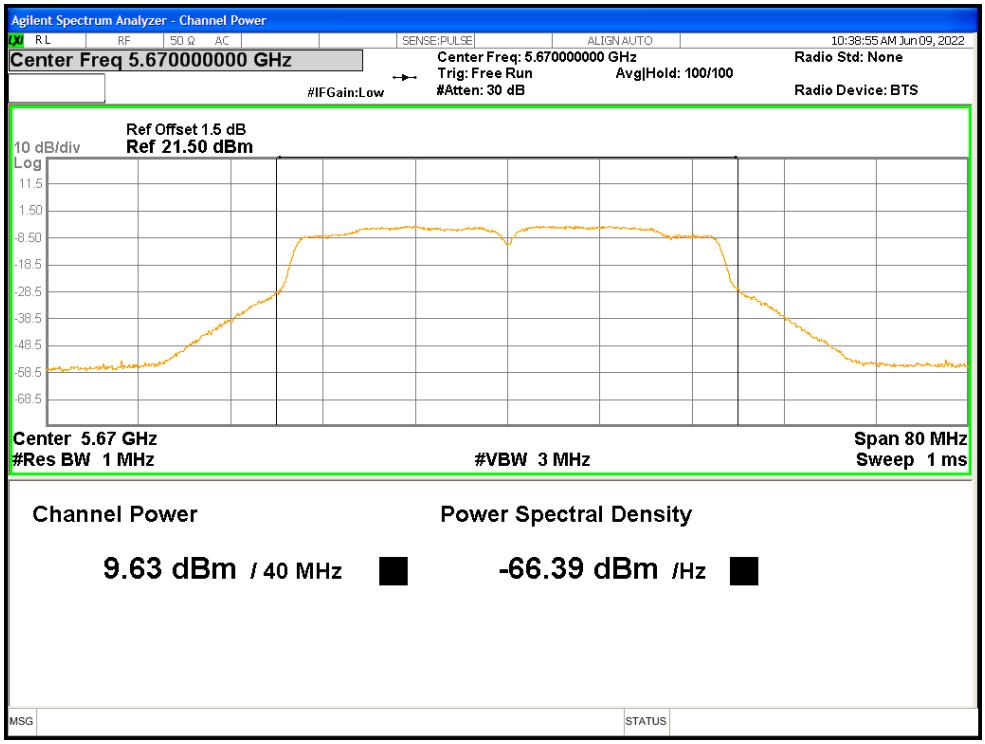
Power NVNT n40 5510MHz



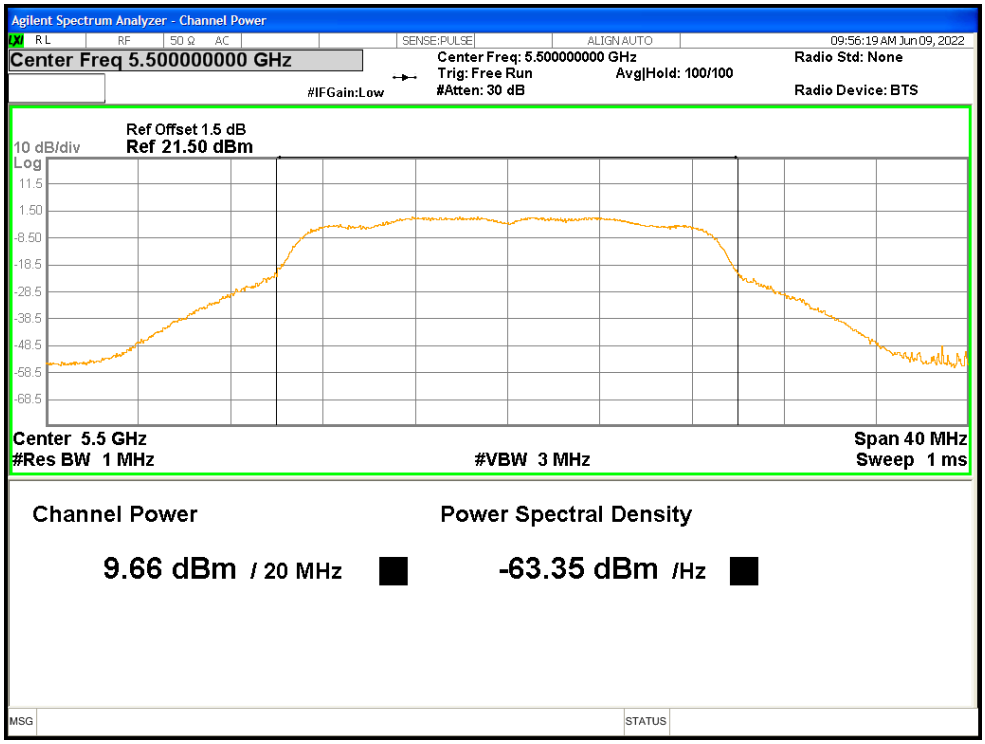
Power NVNT n40 5550MHz



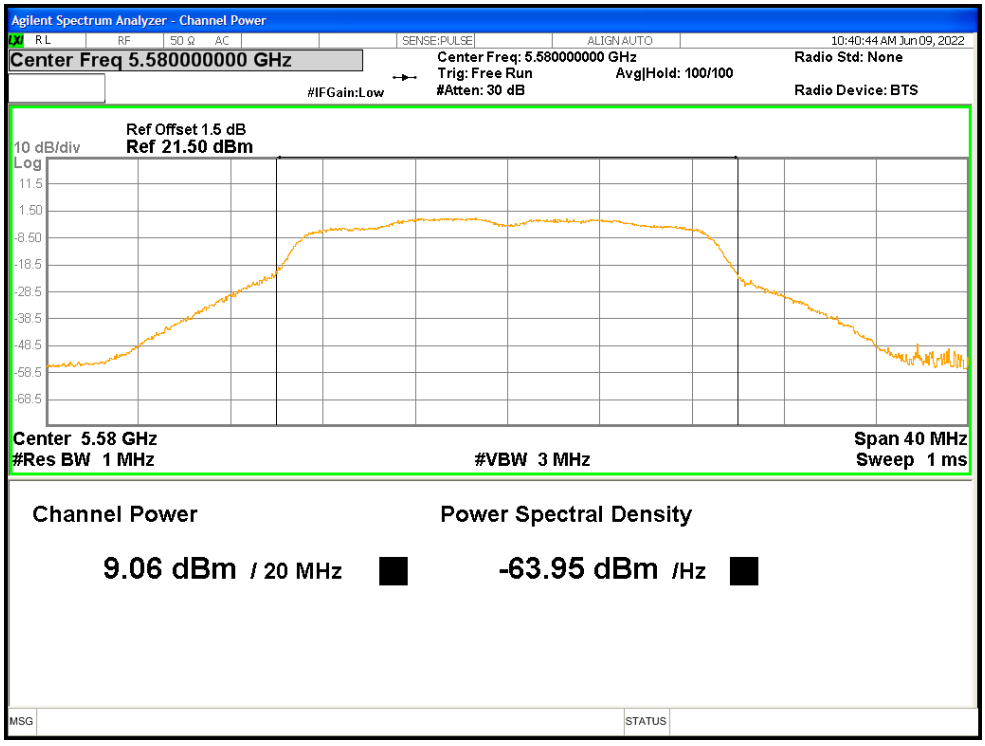
Power NVNT n40 5670MHz



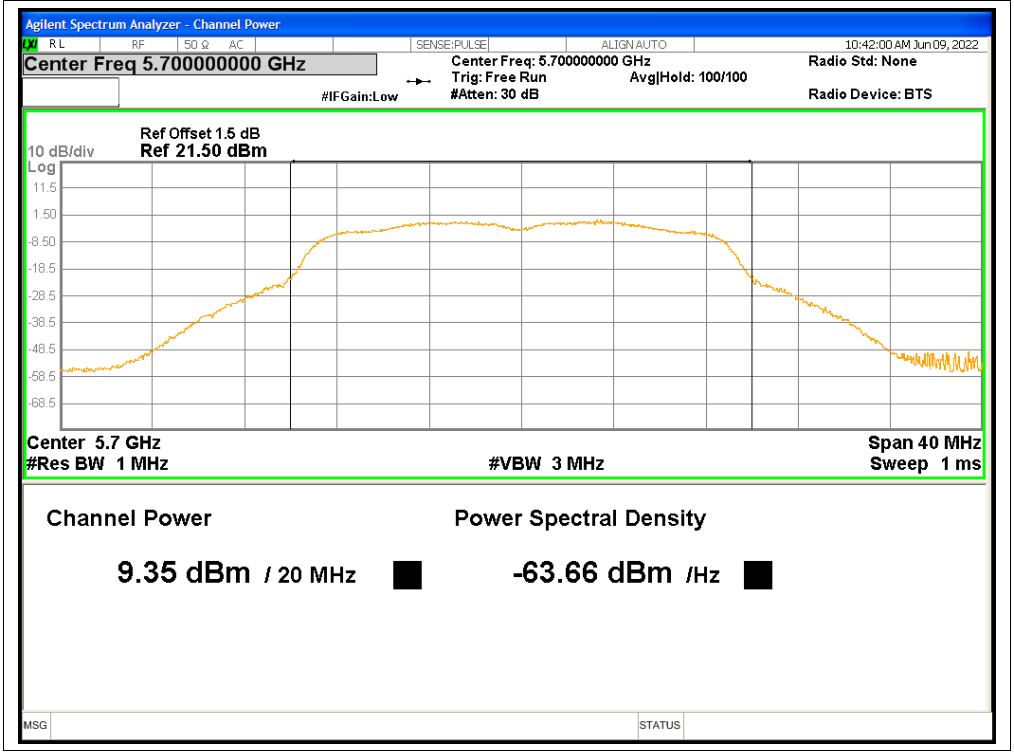
Power NVNT ac20 5500MHz



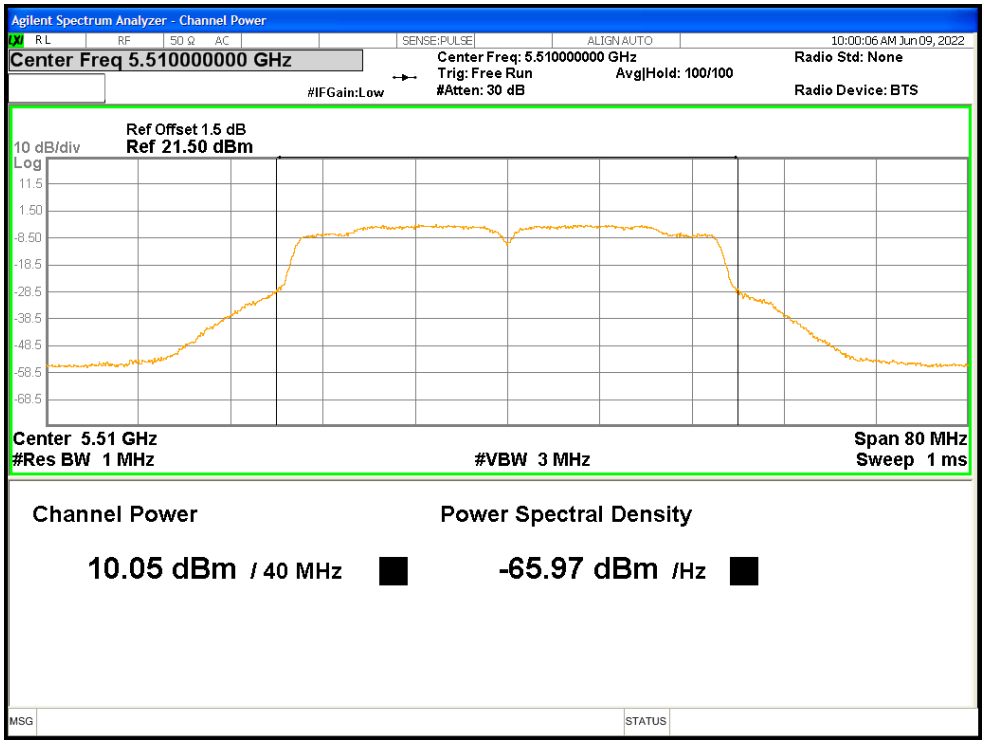
Power NVNT ac20 5580MHz



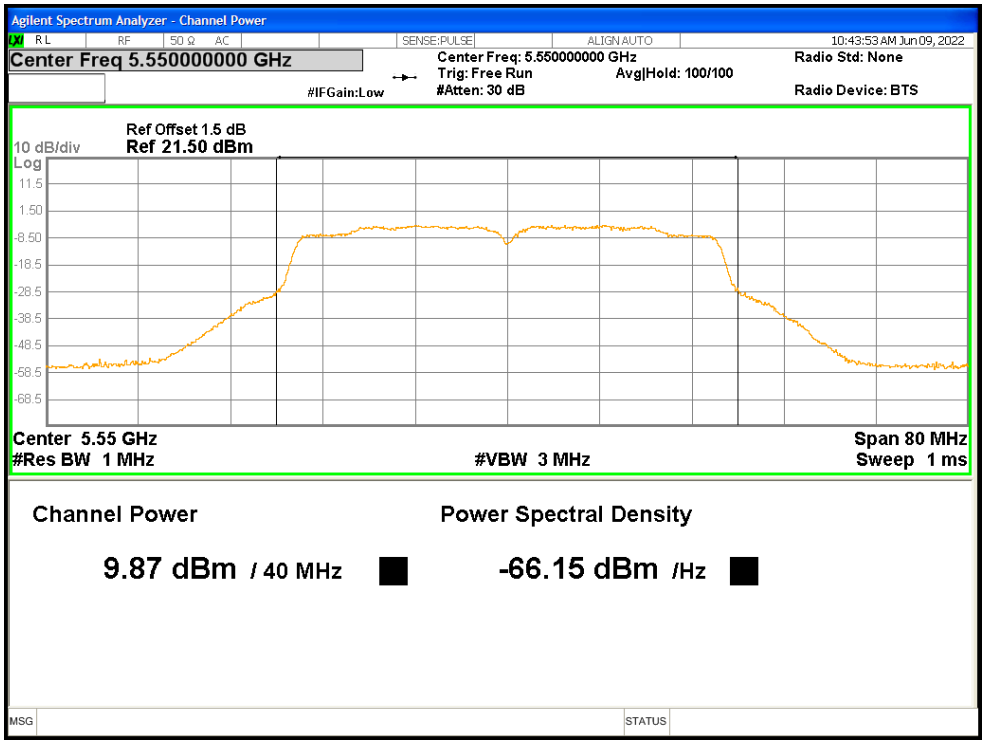
Power NVNT ac20 5700MHz



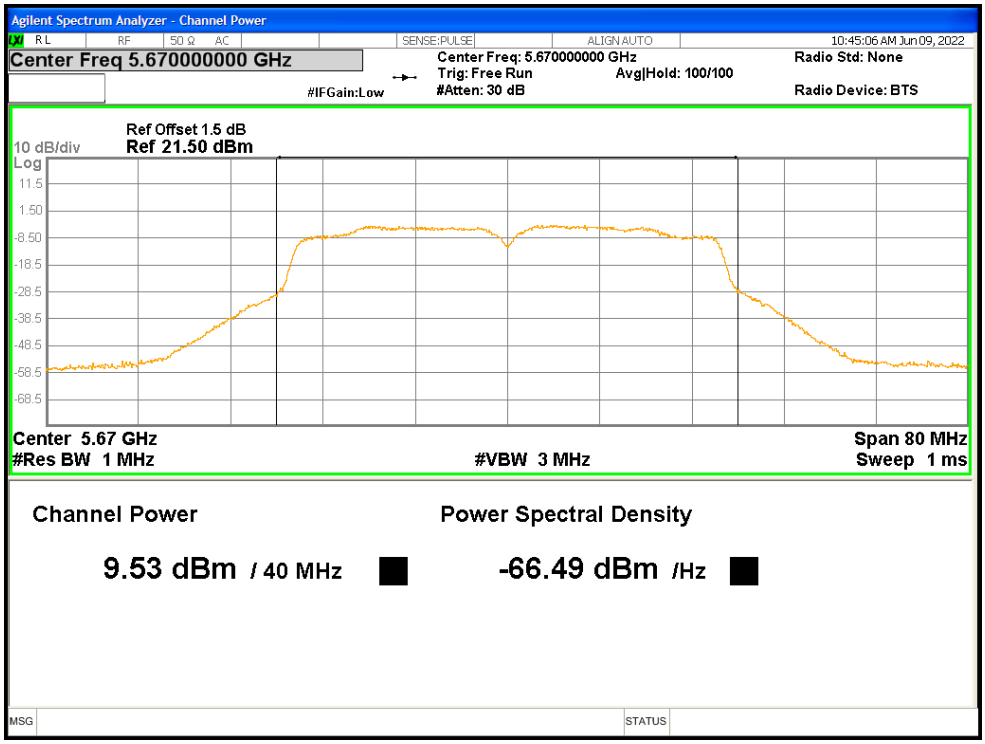
Power NVNT ac40 5510MHz



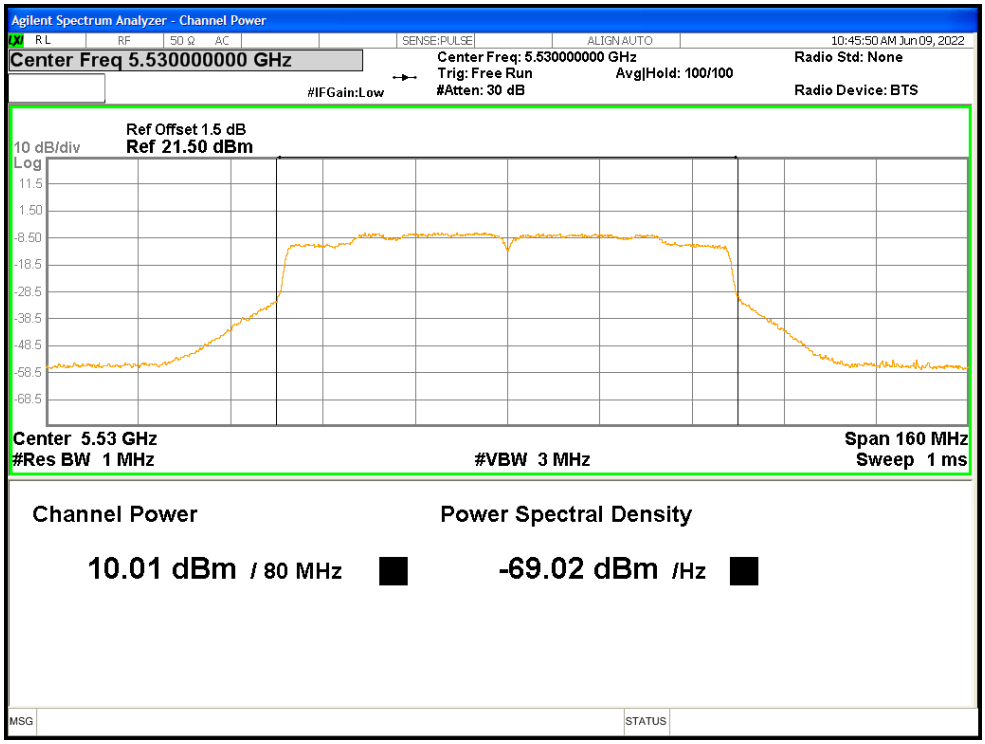
Power NVNT ac40 5550MHz



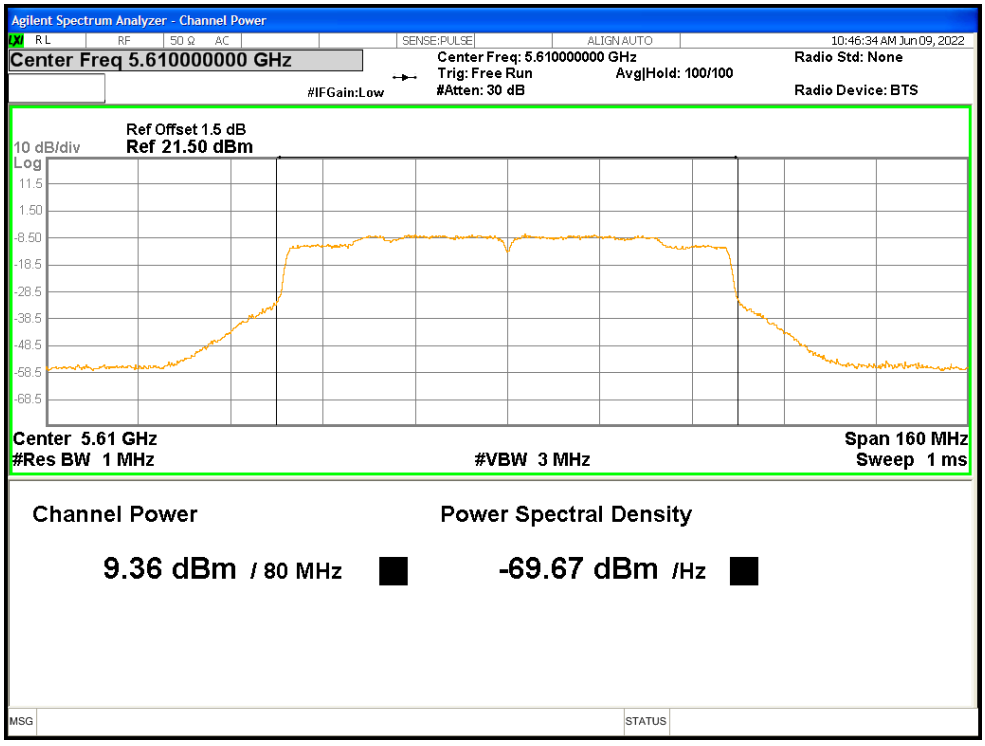
Power NVNT ac40 5670MHz



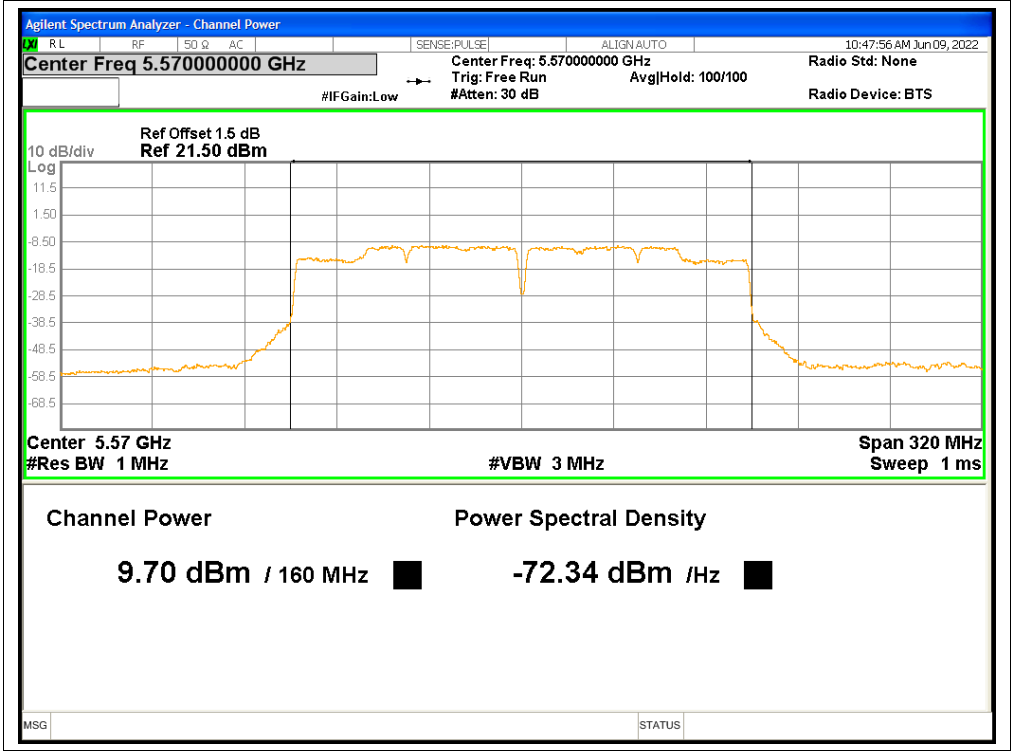
Power NVNT ac80 5530MHz



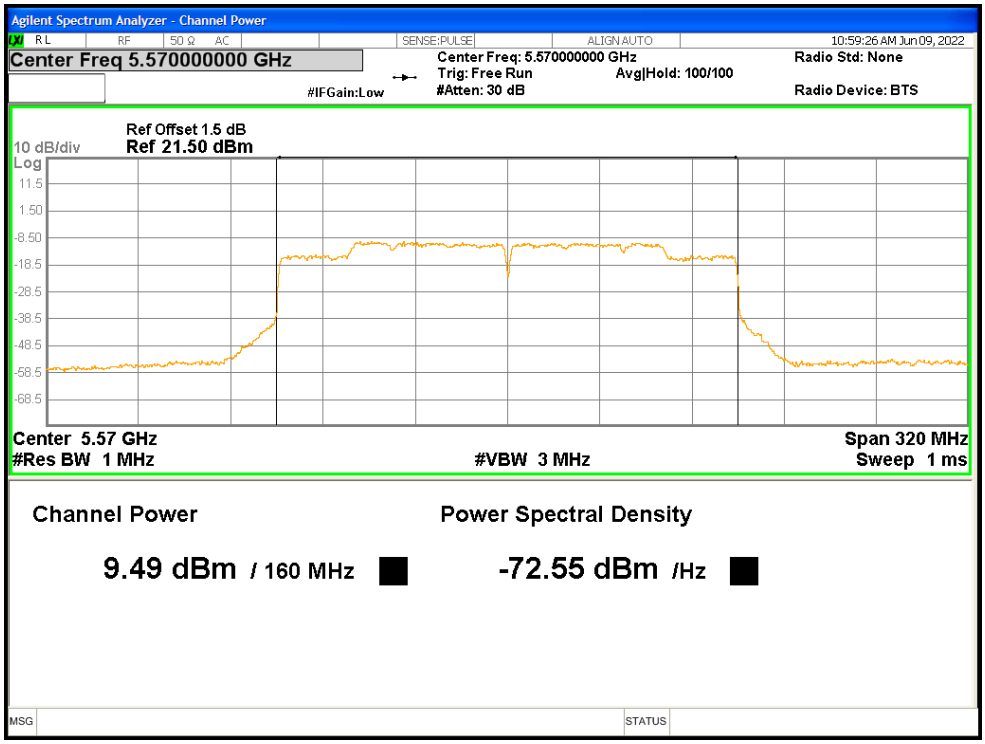
Power NVNT ac80 5610MHz



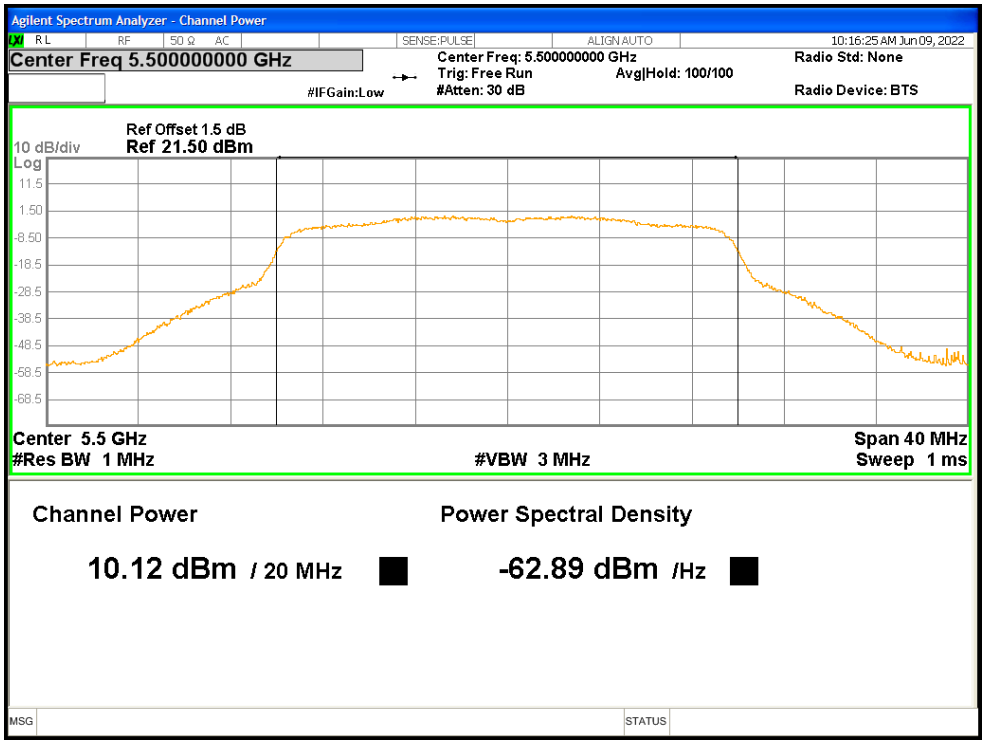
Power NVNT ac160 5570MHz



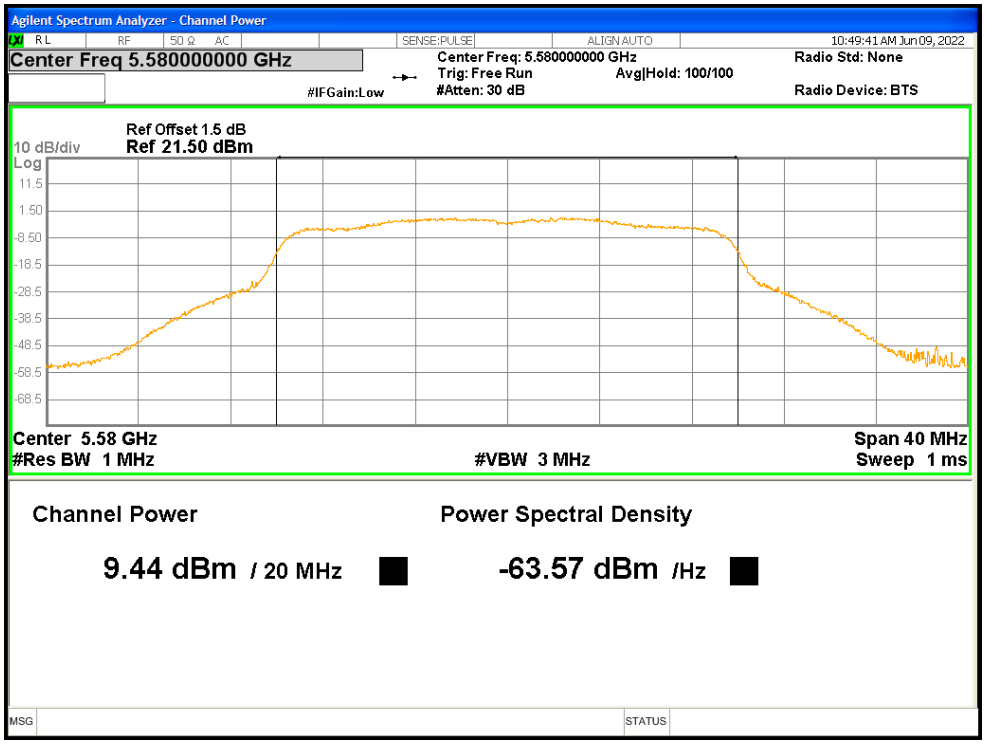
Power NVNT ax160 5570MHz



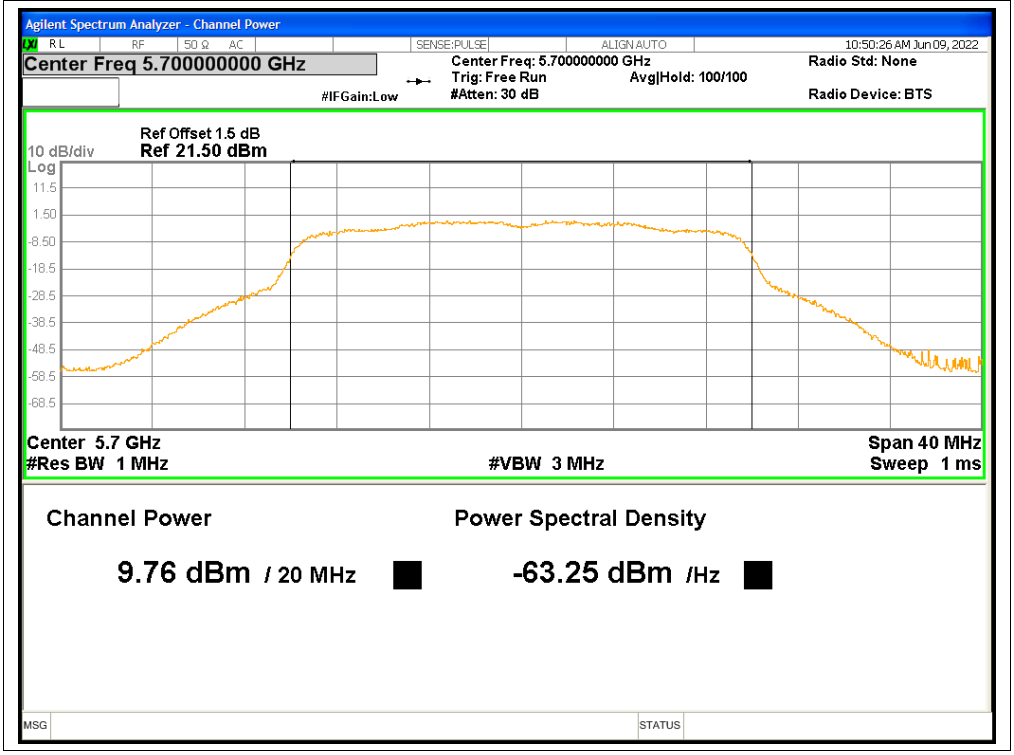
Power NVNT ax20 5500MHz



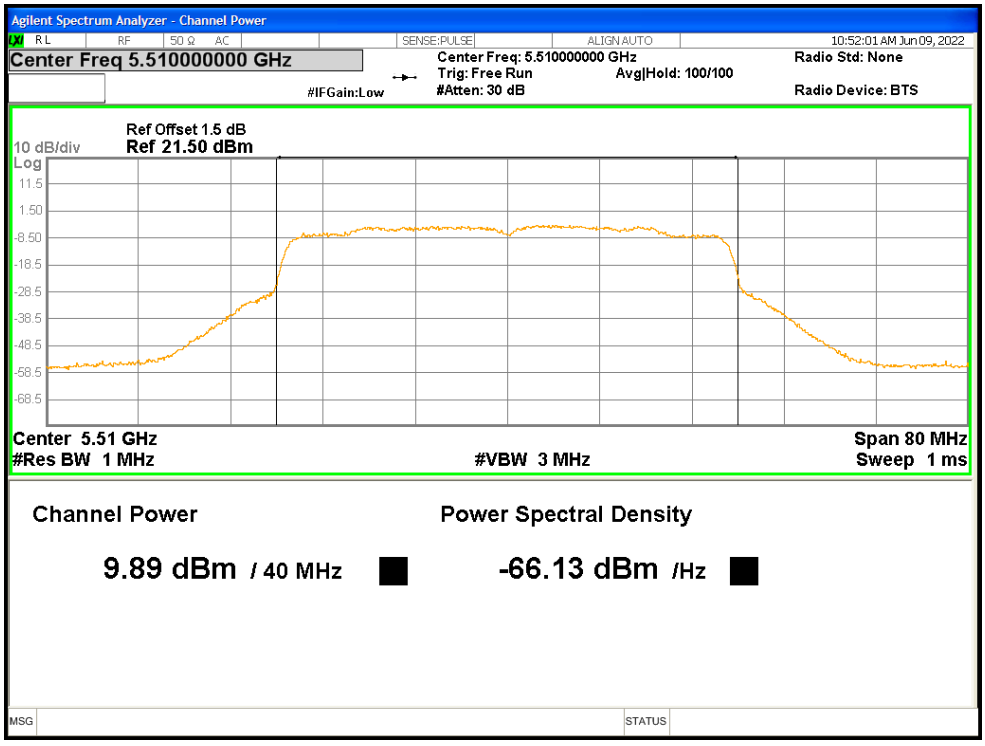
Power NVNT ax20 5580MHz



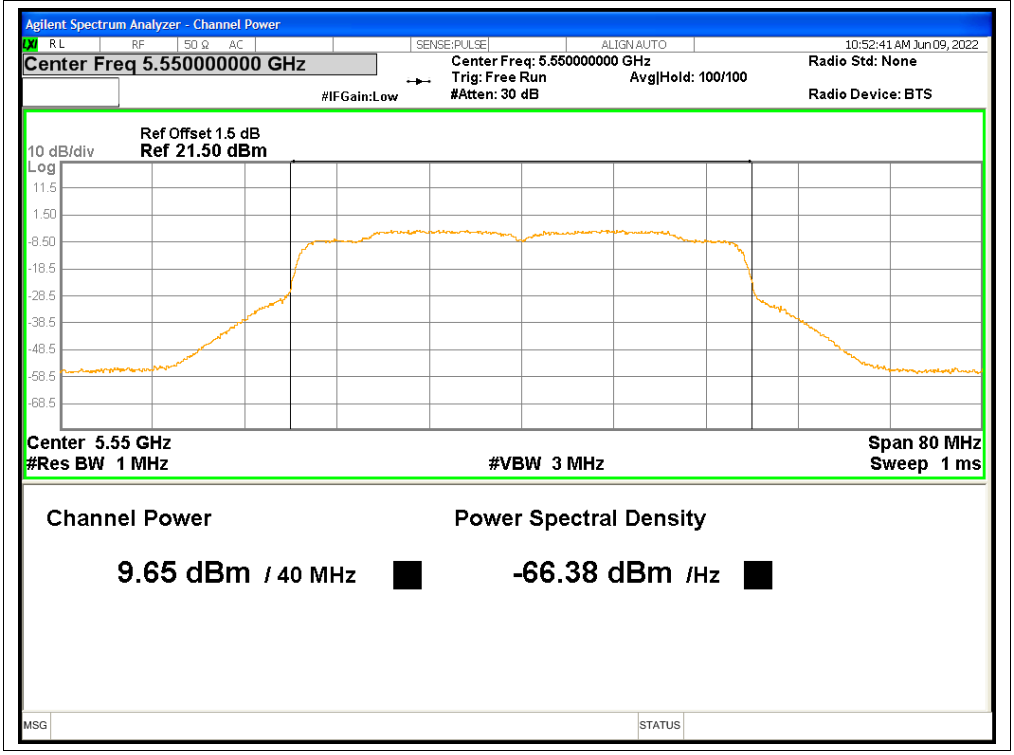
Power NVNT ax20 5700MHz



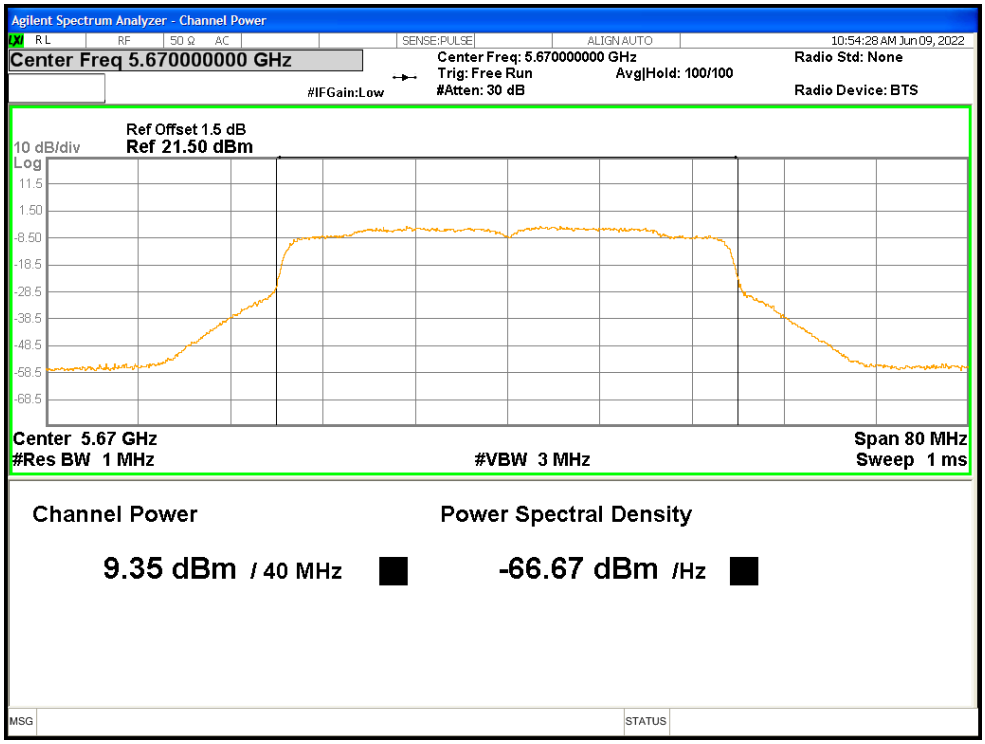
Power NVNT ax40 5510MHz



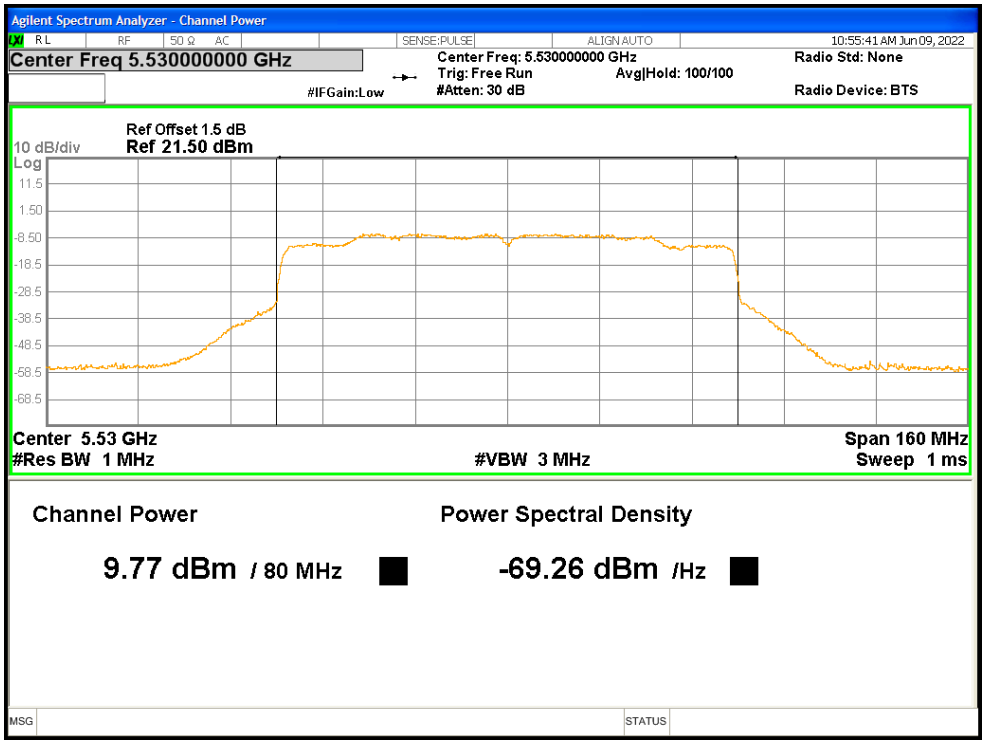
Power NVNT ax40 5550MHz



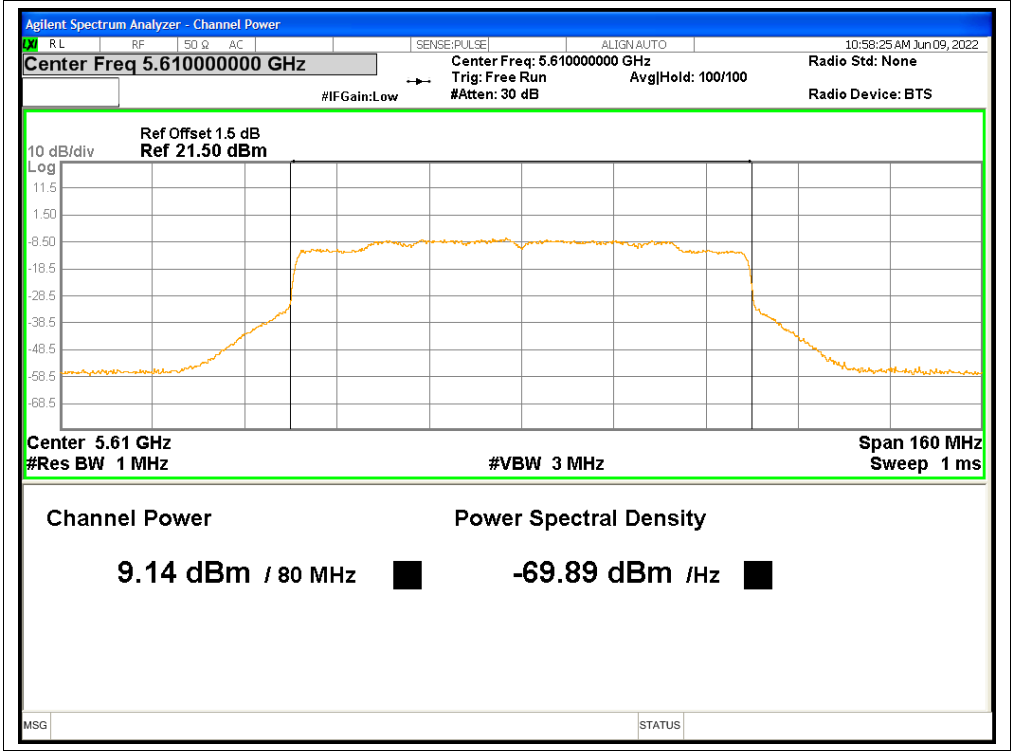
Power NVNT ax40 5670MHz



Power NVNT ax80 5530MHz



Power NVNT ax80 5610MHz

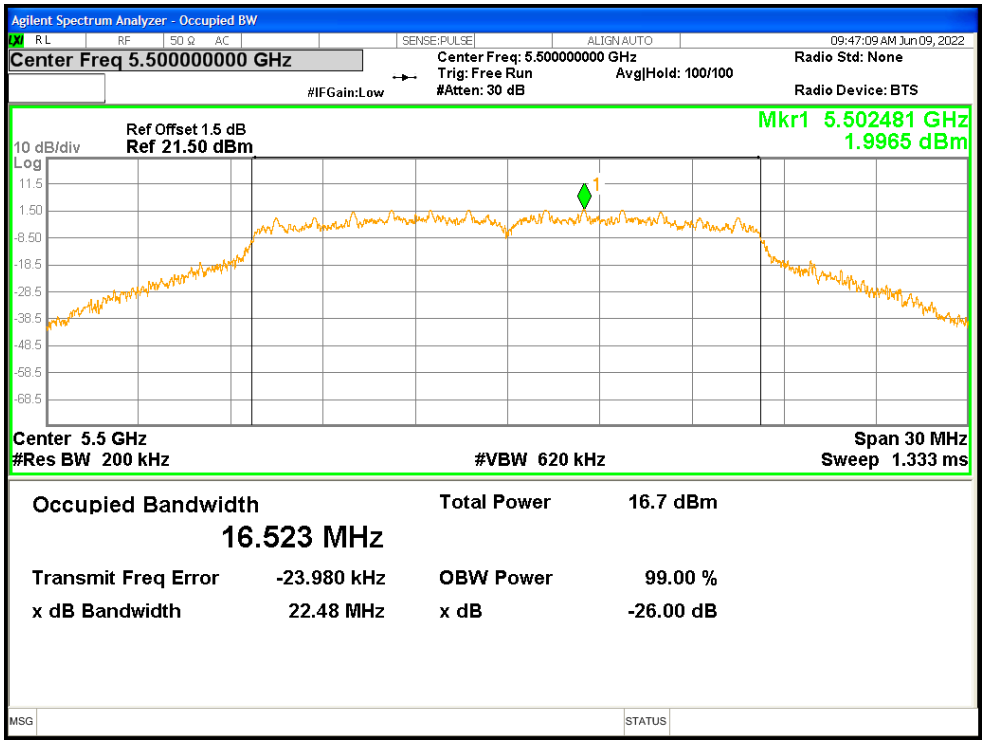


Occupied Channel Bandwidth

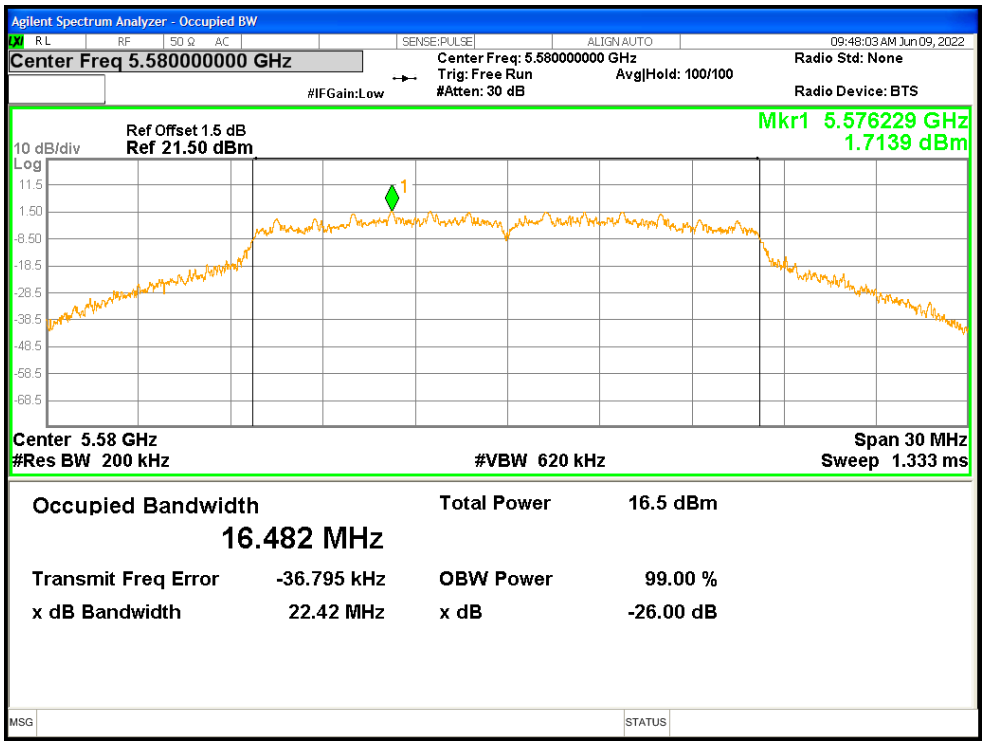
Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5500	16.523
NVNT	a	5580	16.482
NVNT	a	5700	16.507
NVNT	n20	5500	17.624
NVNT	n20	5580	17.637
NVNT	n20	5700	17.639
NVNT	n40	5510	36.039
NVNT	n40	5550	35.96
NVNT	n40	5670	35.943
NVNT	ac20	5500	17.639
NVNT	ac20	5580	17.636
NVNT	ac20	5700	17.667
NVNT	ac40	5510	35.959
NVNT	ac40	5550	35.934
NVNT	ac40	5670	36.022
NVNT	ac80	5530	74.97
NVNT	ac80	5610	75.16
NVNT	ac160	5570	153.005
NVNT	ax160	5570	154.508
NVNT	ax20	5500	18.894
NVNT	ax20	5580	18.859
NVNT	ax20	5700	18.867
NVNT	ax40	5510	37.571
NVNT	ax40	5550	37.547
NVNT	ax40	5670	37.613
NVNT	ax80	5530	76.453
NVNT	ax80	5610	76.674

Test Graphs

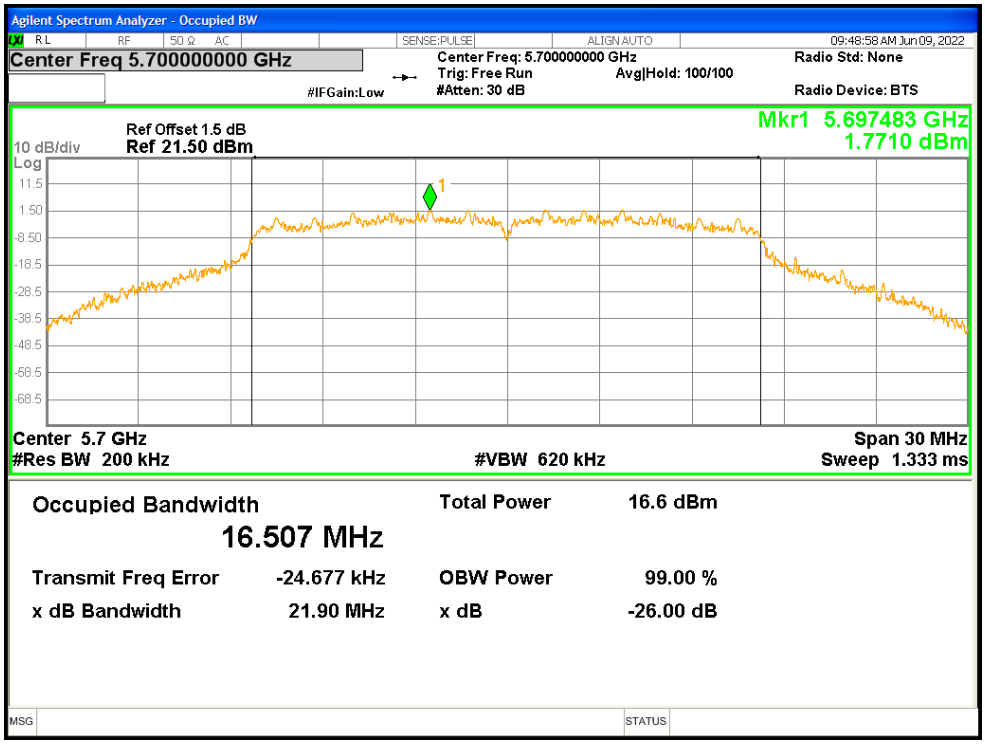
OBW NVNT a 5500MHz



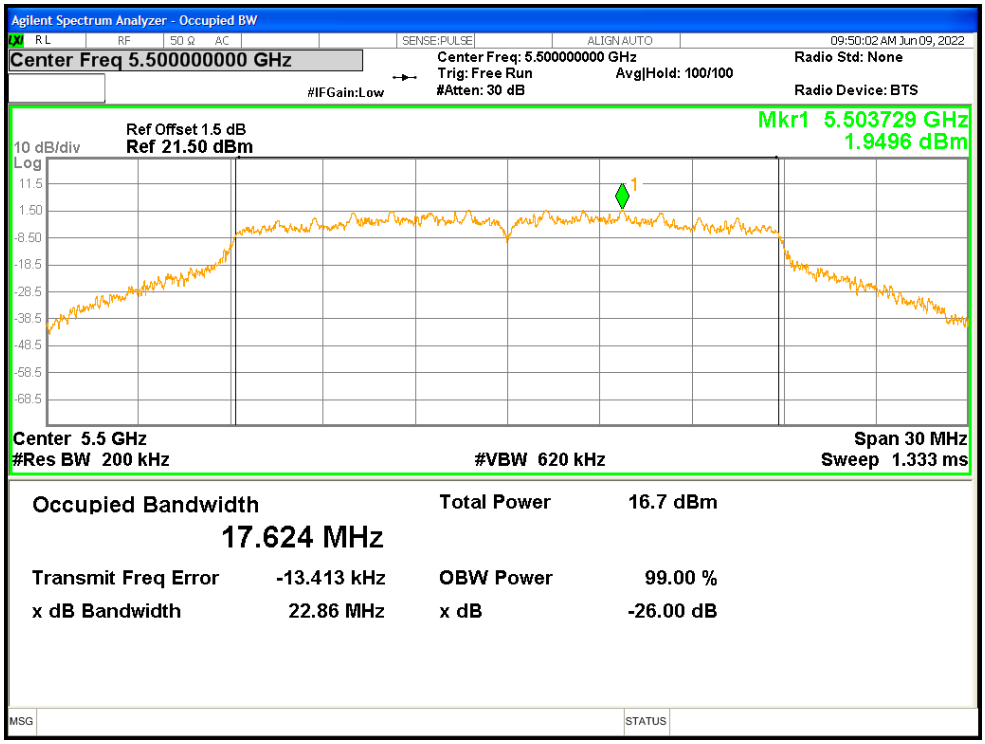
OBW NVNT a 5580MHz



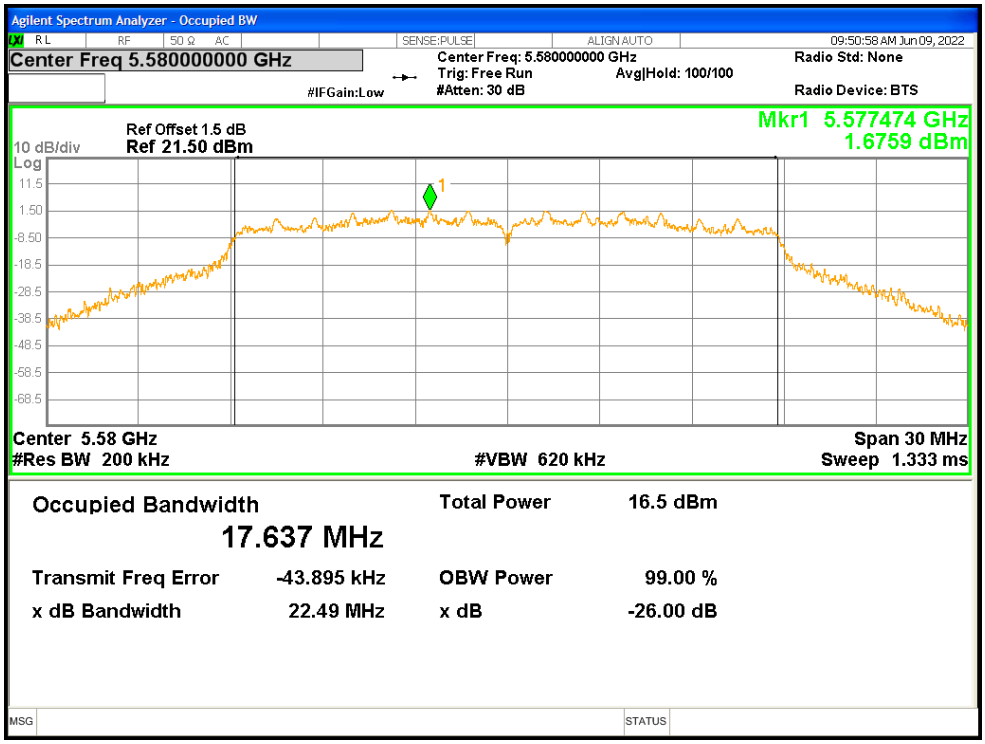
OBW NVNT a 5700MHz



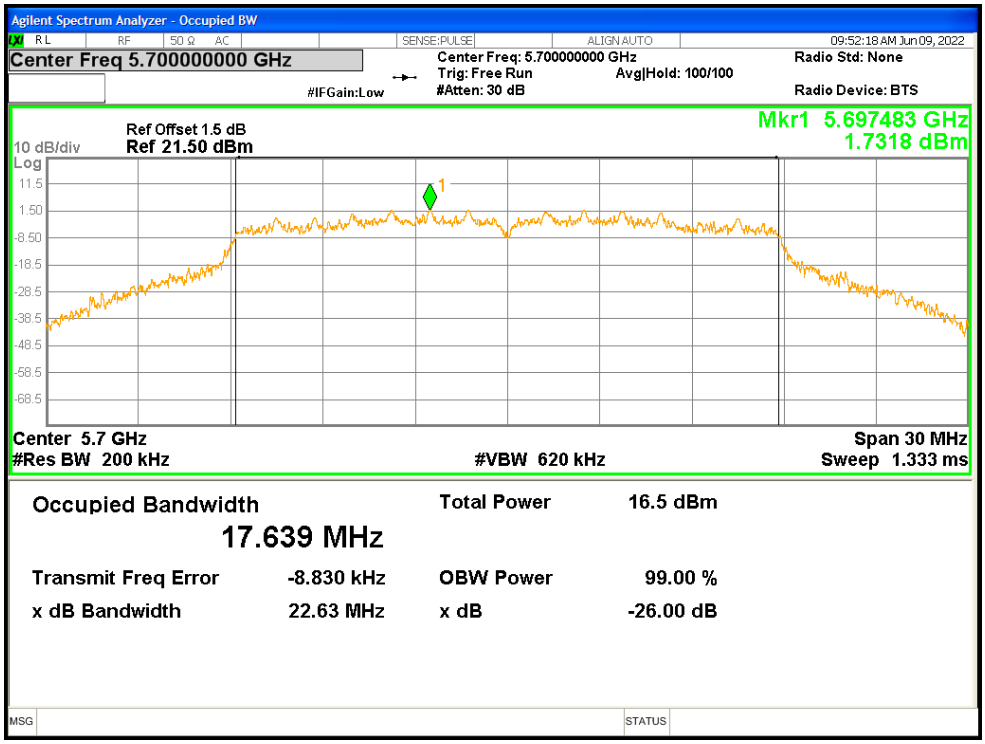
OBW NVNT n20 5500MHz



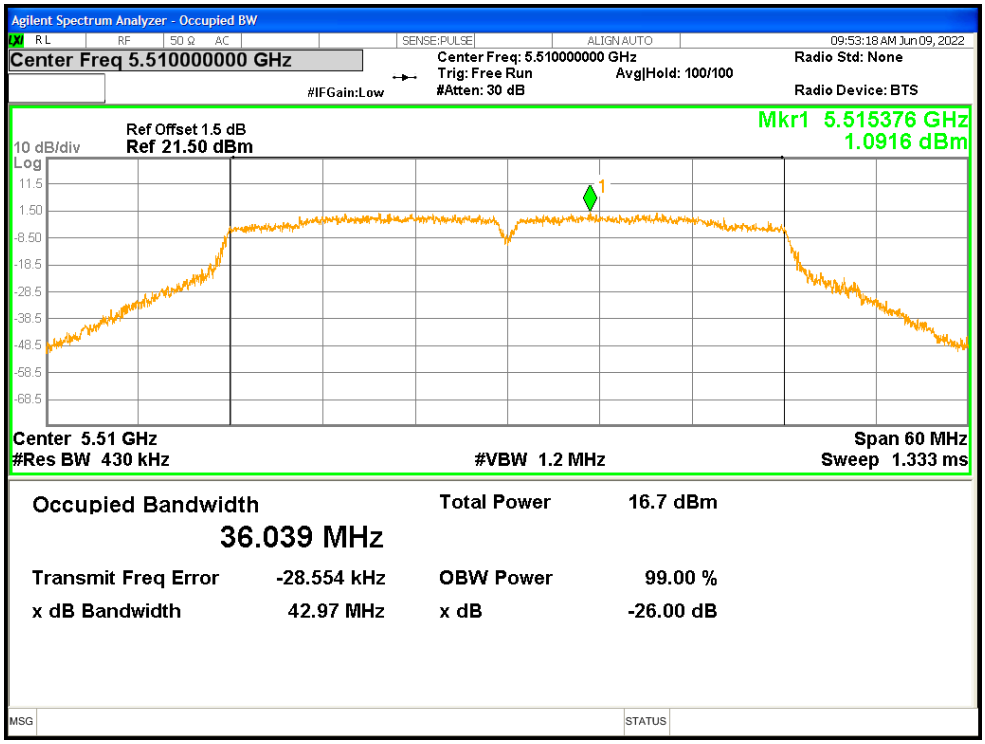
OBW NVNT n20 5580MHz



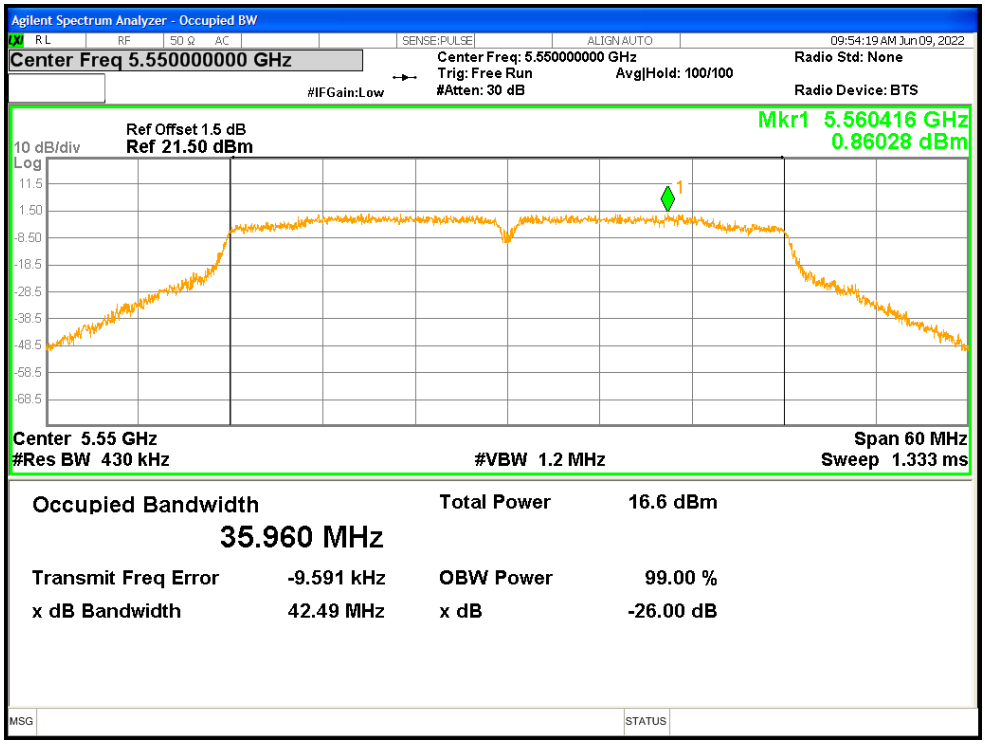
OBW NVNT n20 5700MHz



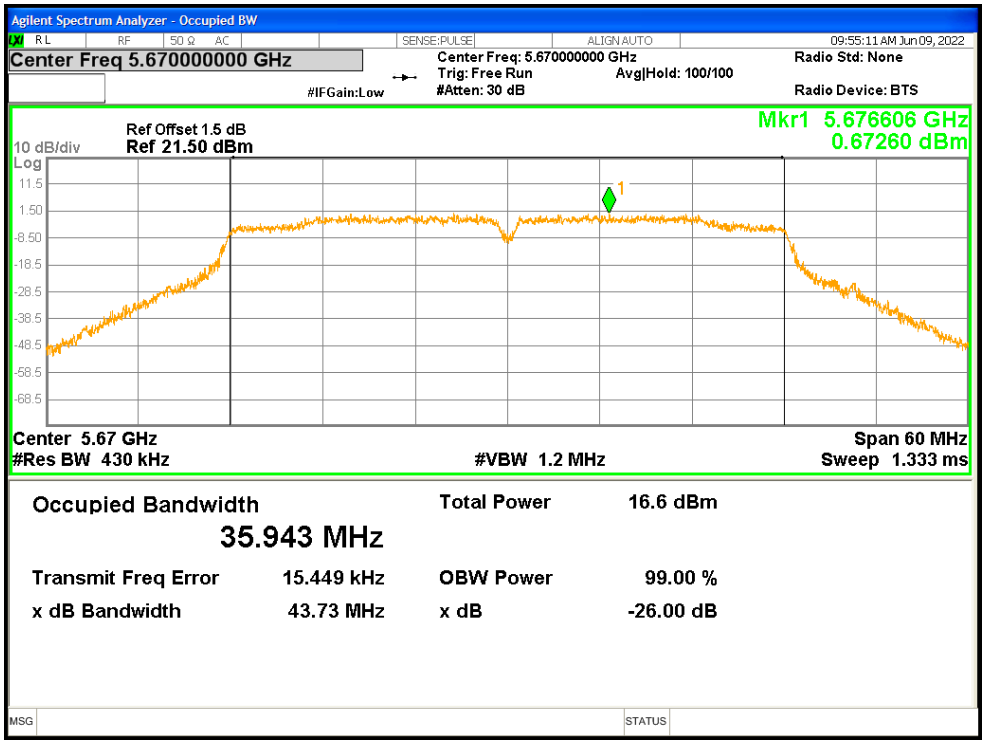
OBW NVNT n40 5510MHz



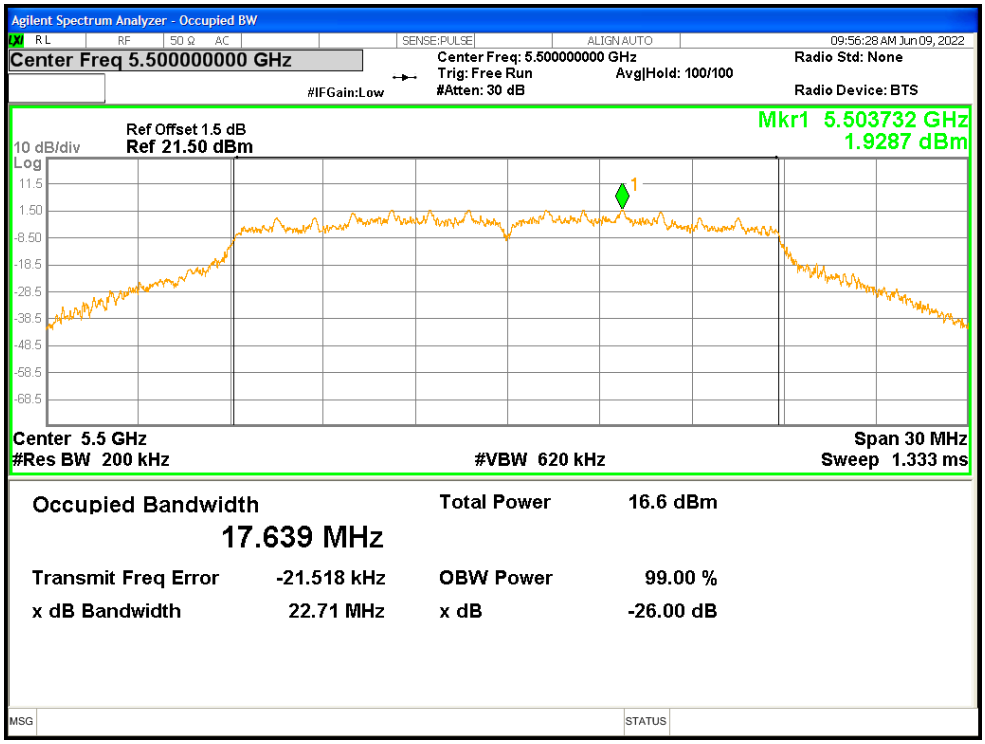
OBW NVNT n40 5550MHz



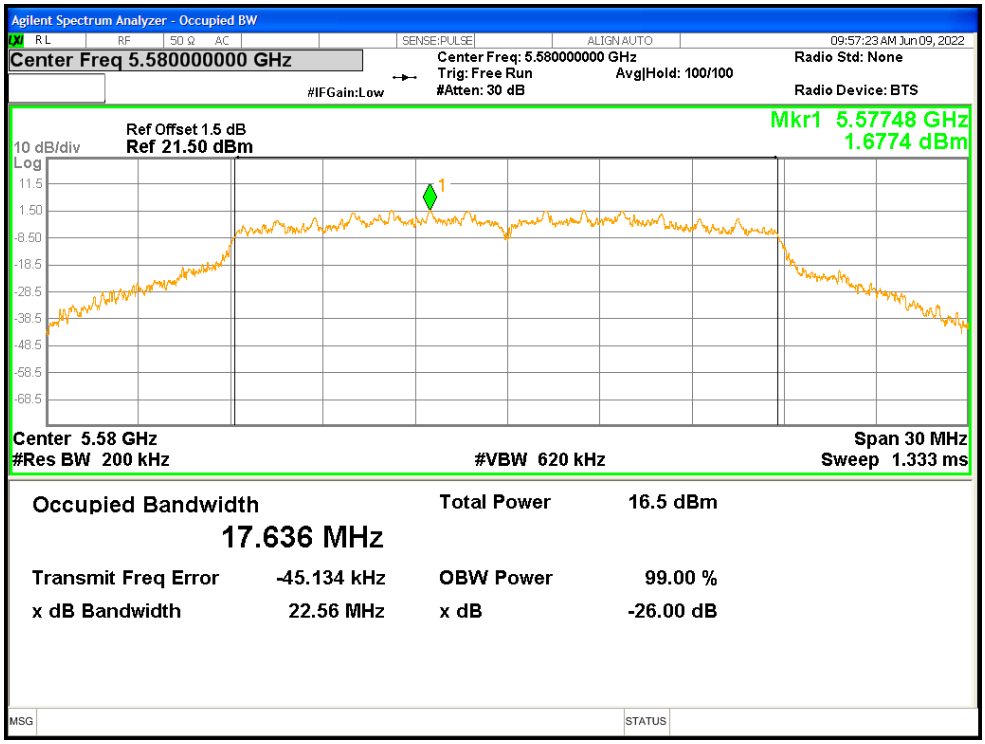
OBW NVNT n40 5670MHz



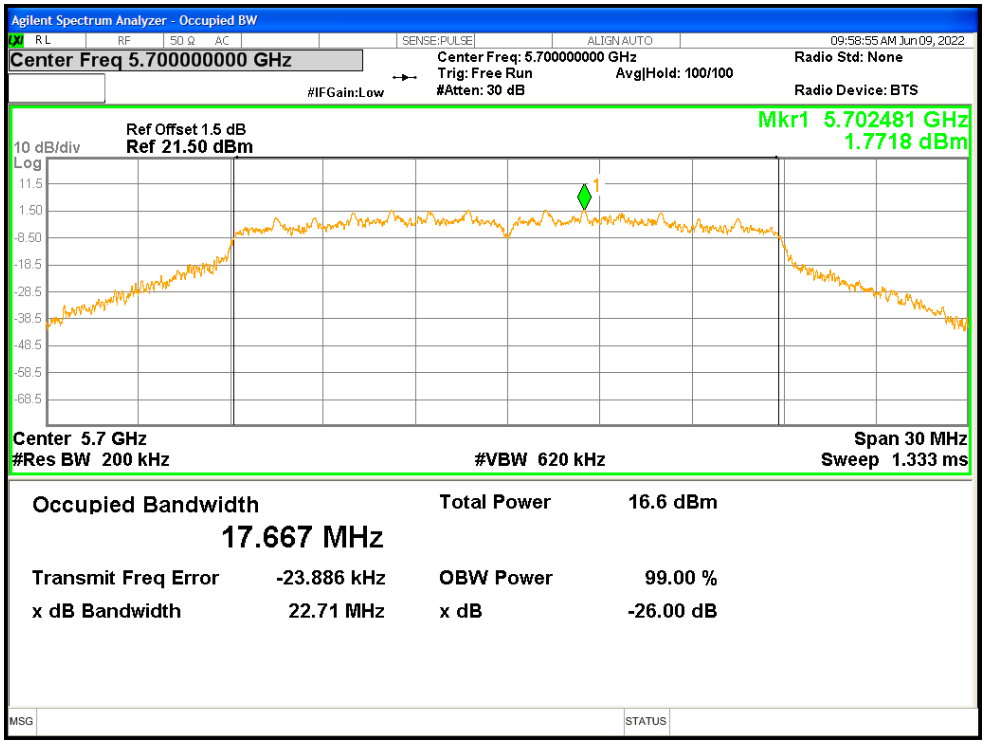
OBW NVNT ac20 5500MHz



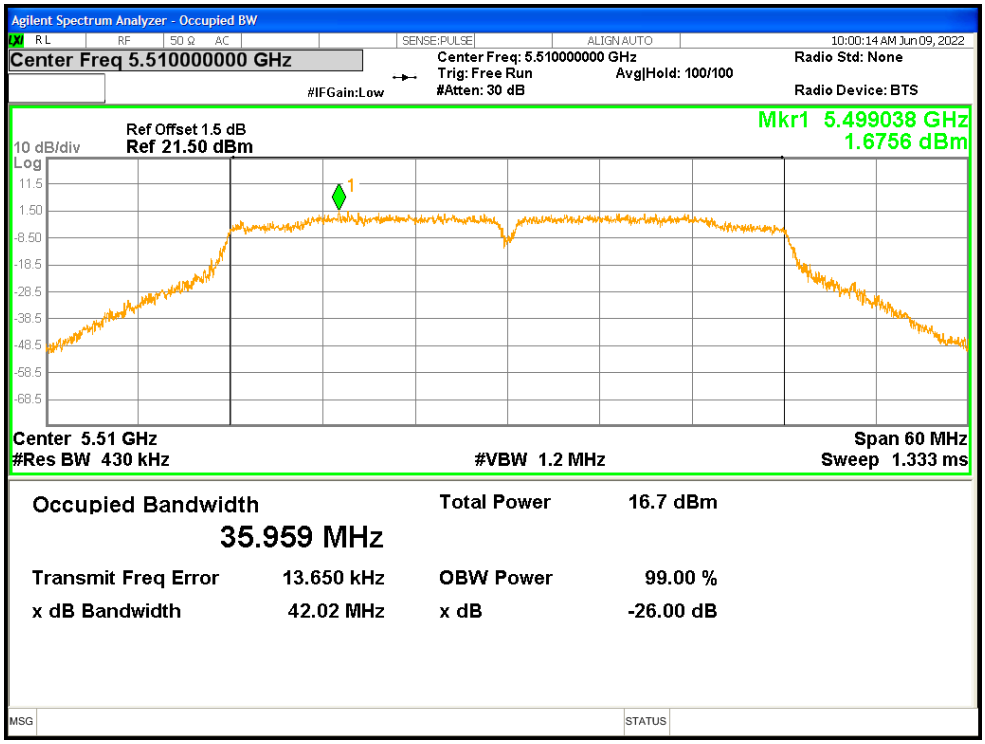
OBW NVNT ac20 5580MHz



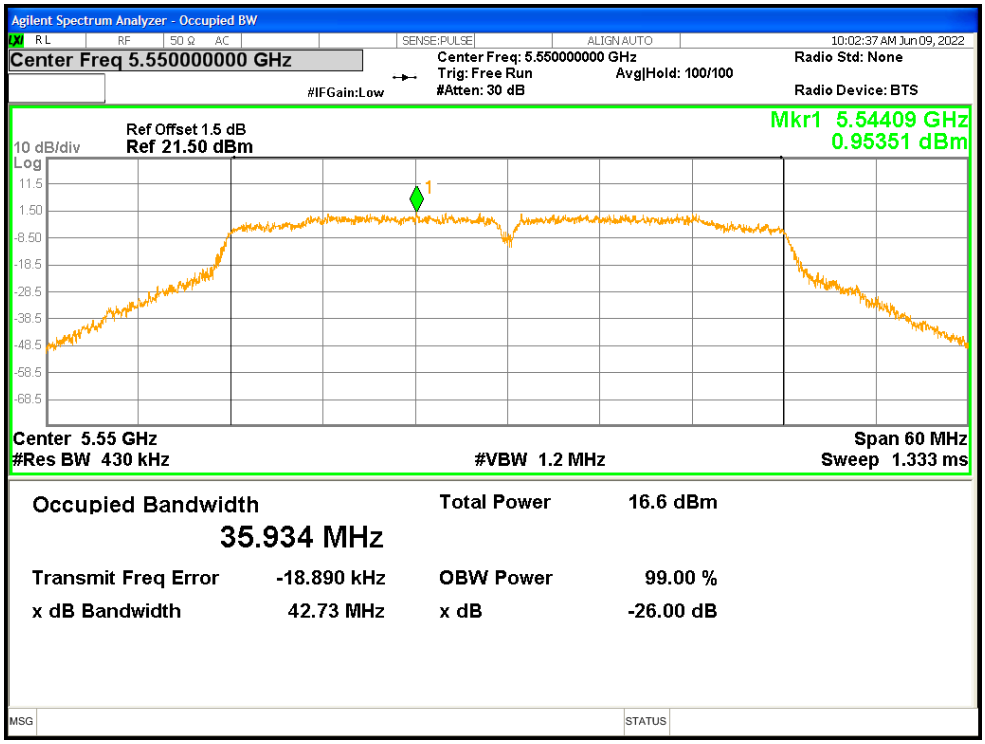
OBW NVNT ac20 5700MHz



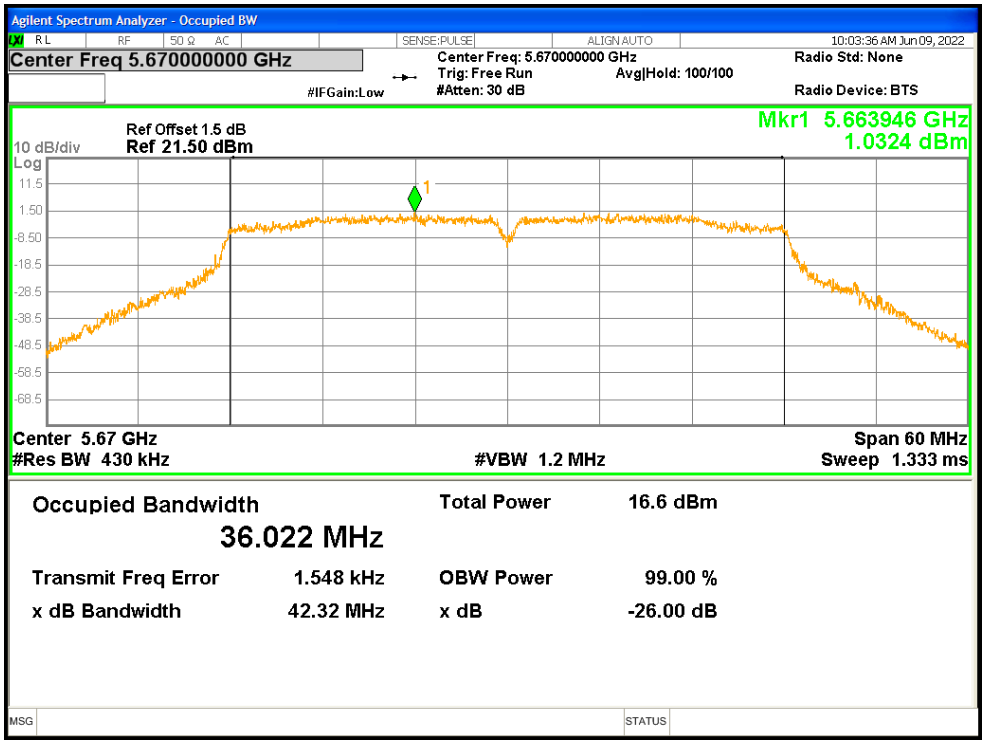
OBW NVNT ac40 5510MHz



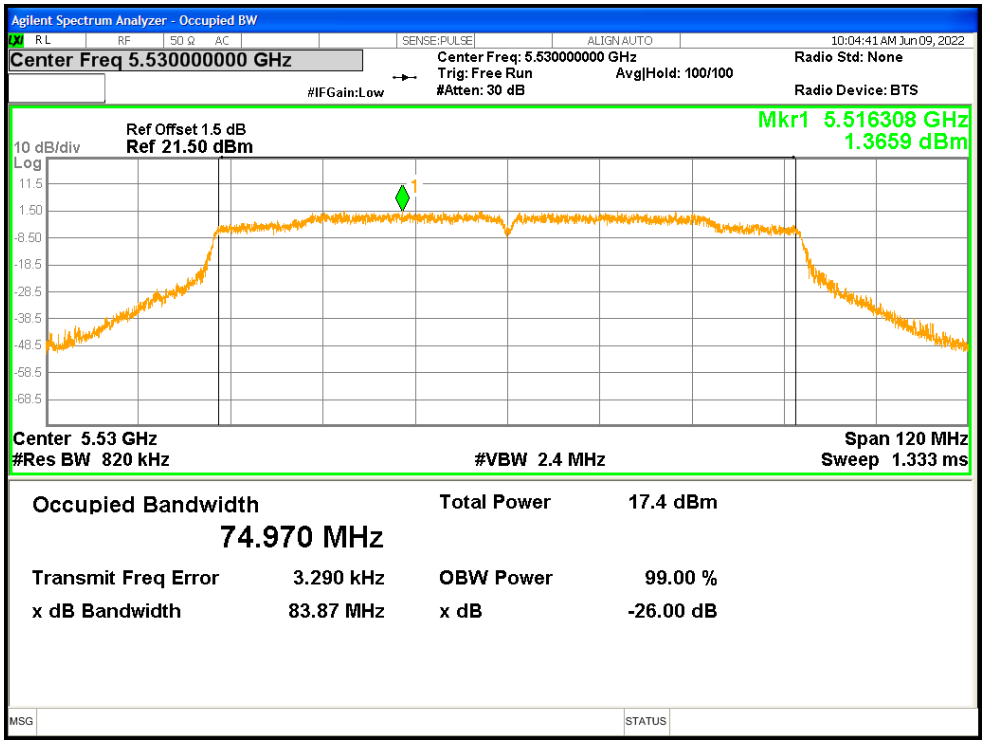
OBW NVNT ac40 5550MHz



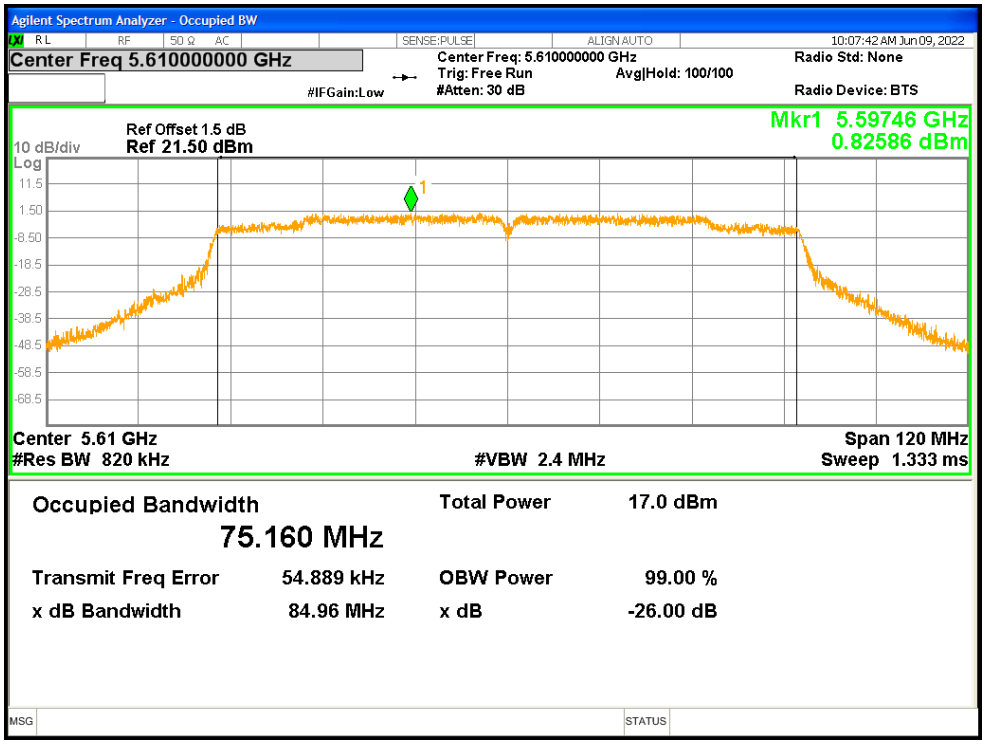
OBW NVNT ac40 5670MHz



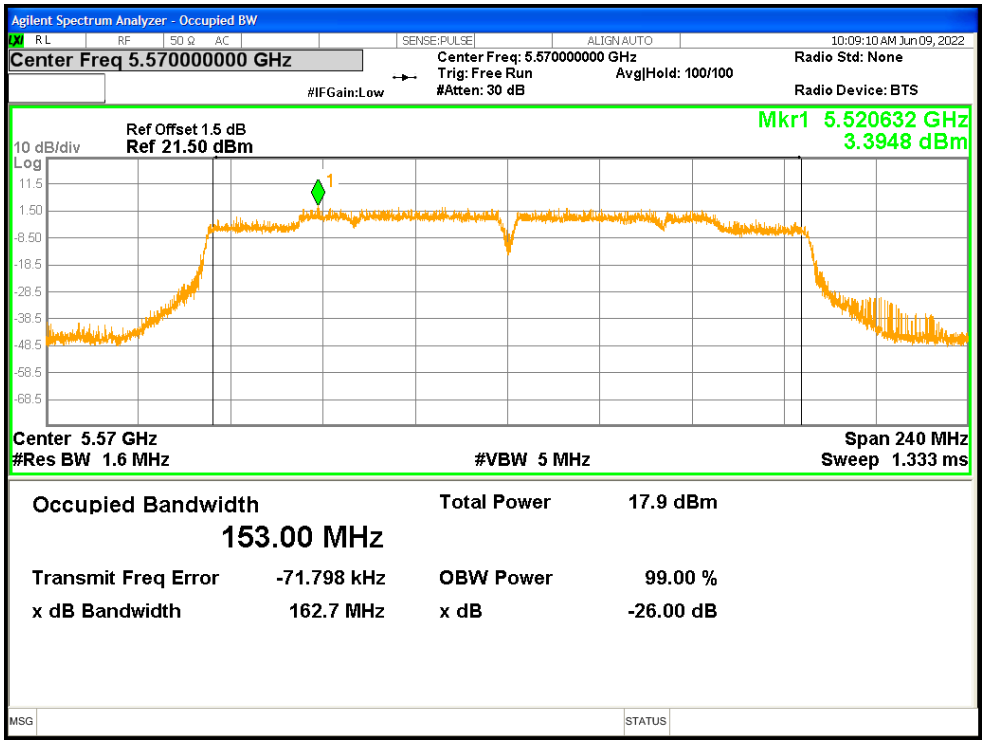
OBW NVNT ac80 5530MHz



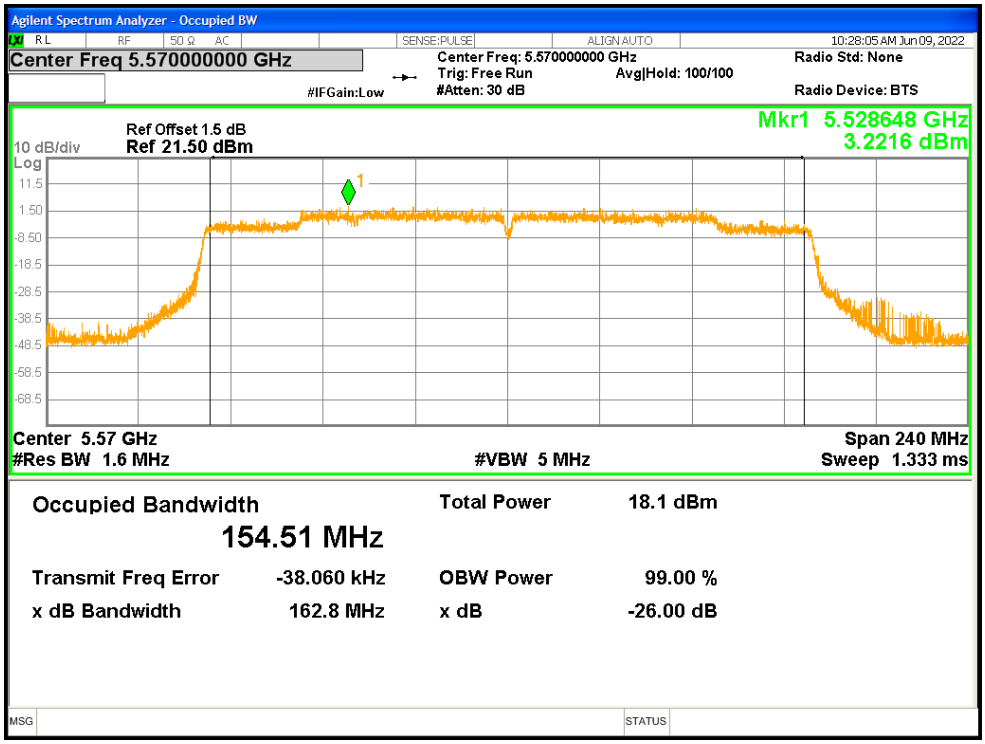
OBW NVNT ac80 5610MHz



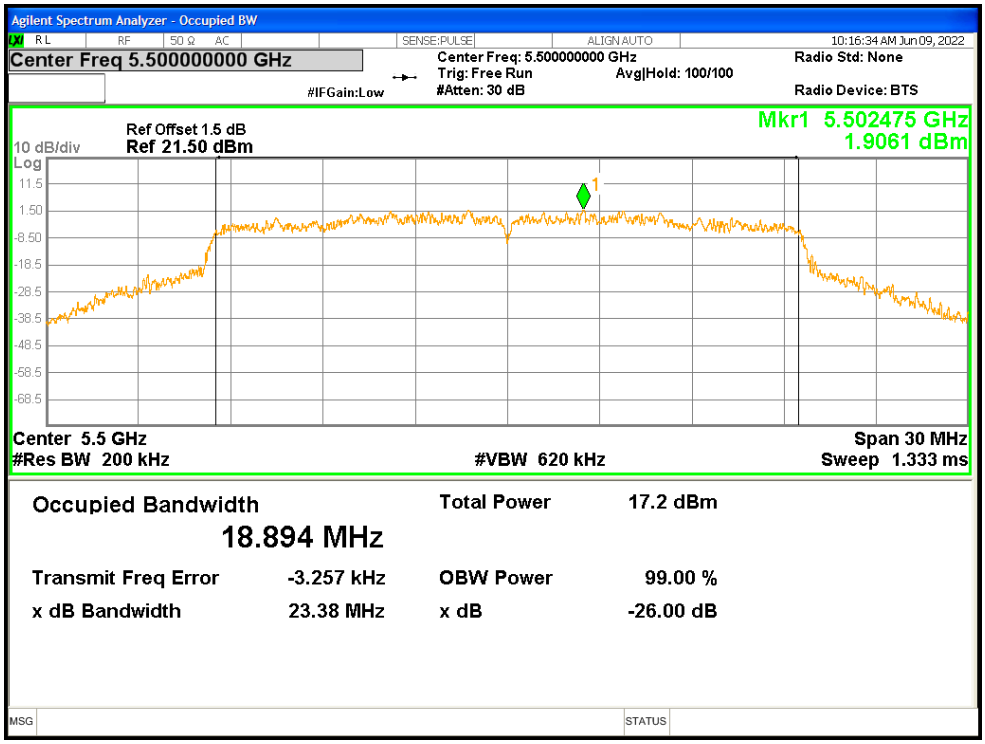
OBW NVNT ac160 5570MHz



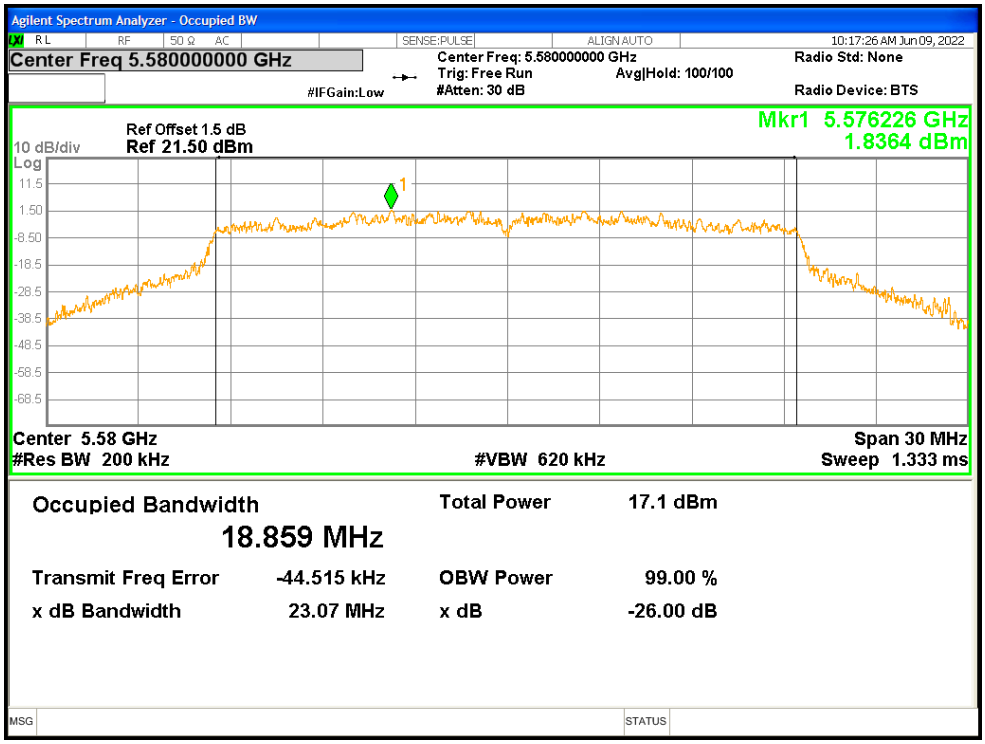
OBW NVNT ax160 5570MHz



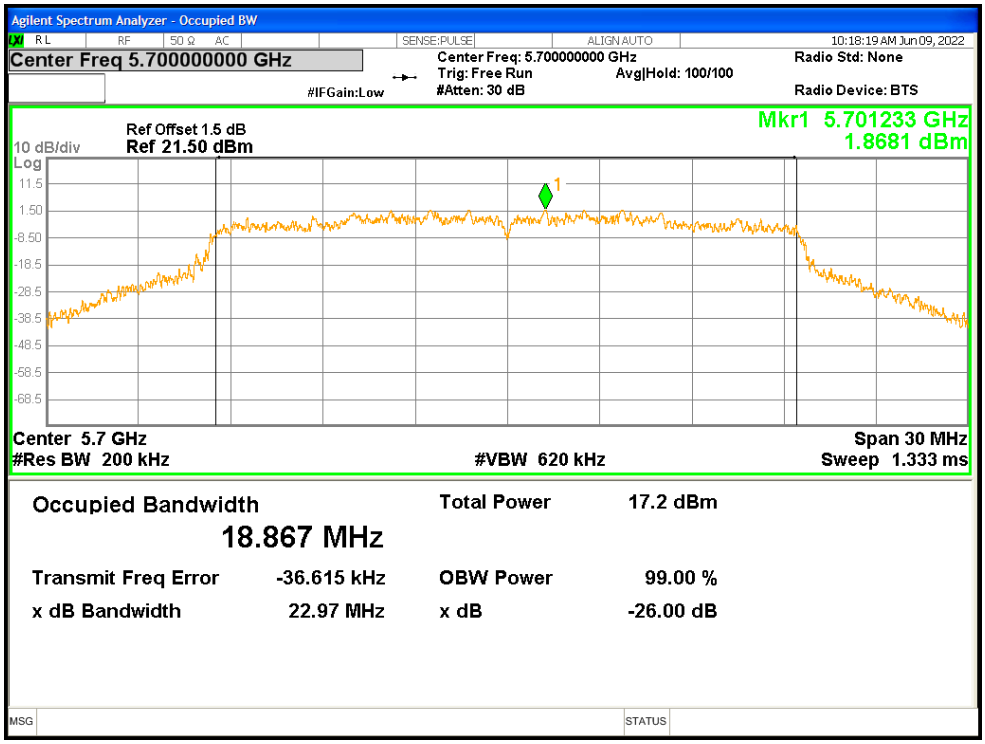
OBW NVNT ax20 5500MHz



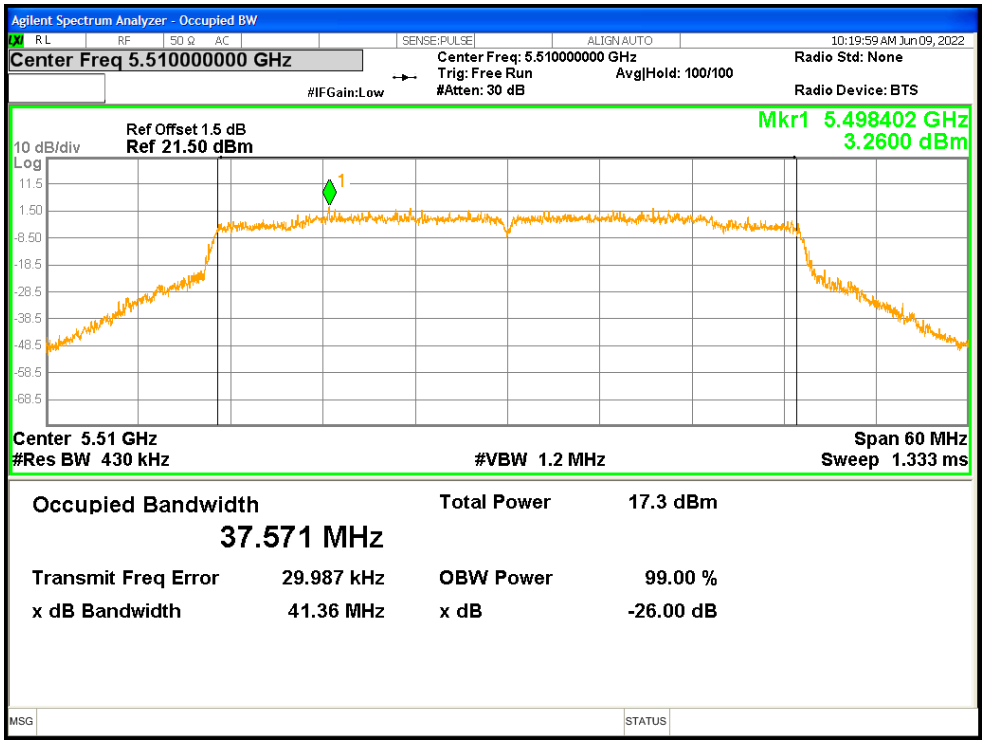
OBW NVNT ax20 5580MHz



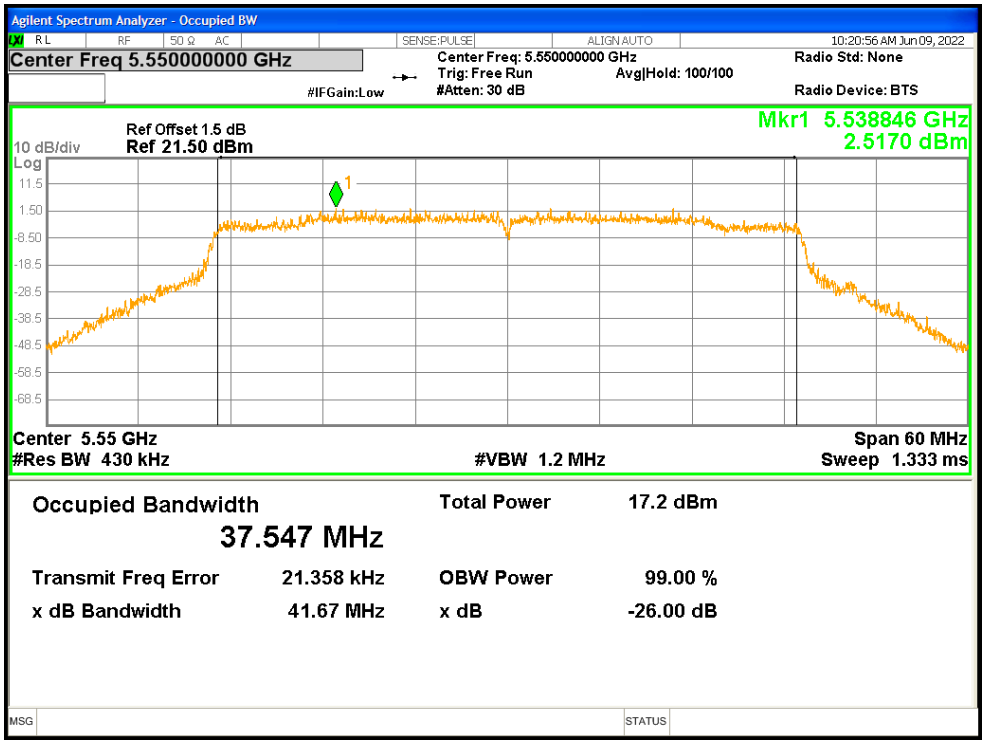
OBW NVNT ax20 5700MHz



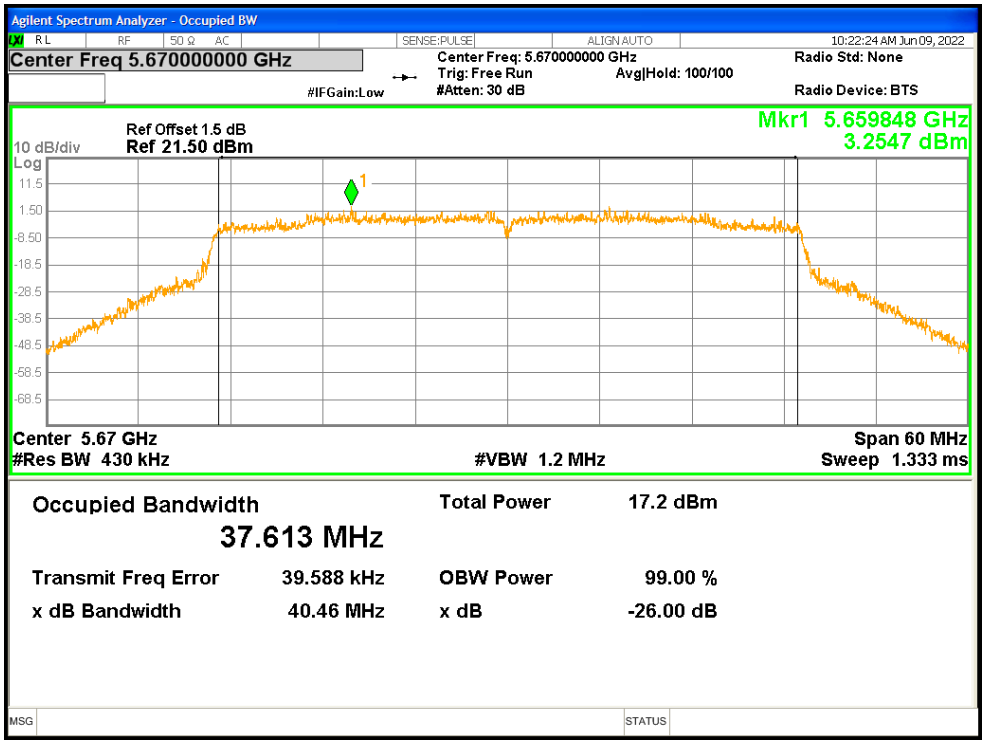
OBW NVNT ax40 5510MHz



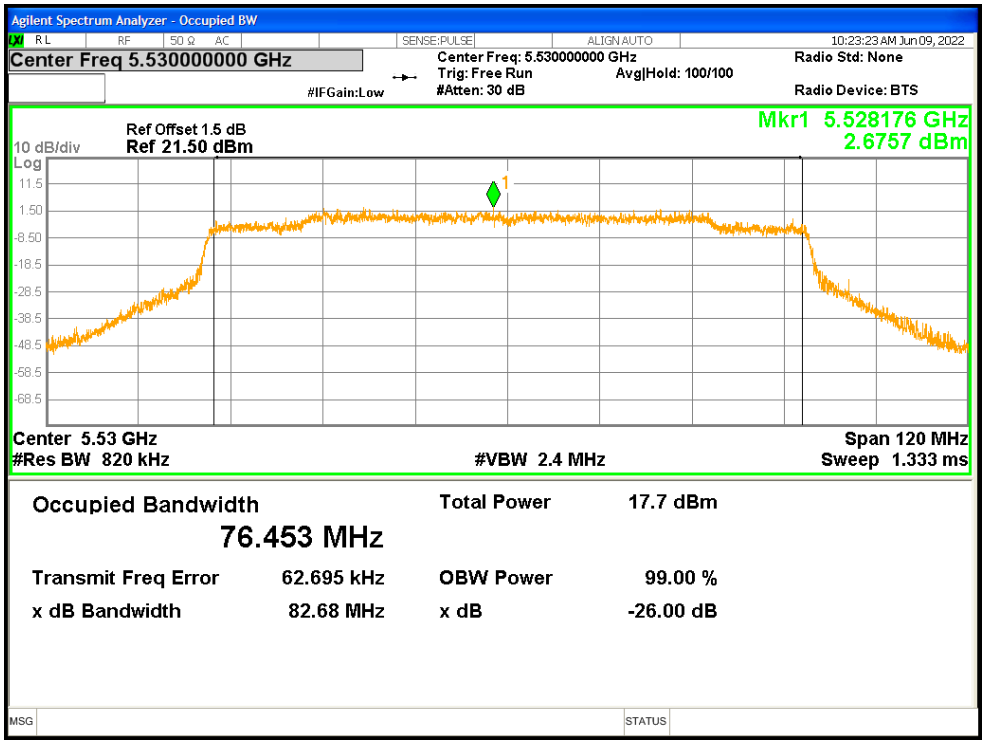
OBW NVNT ax40 5550MHz



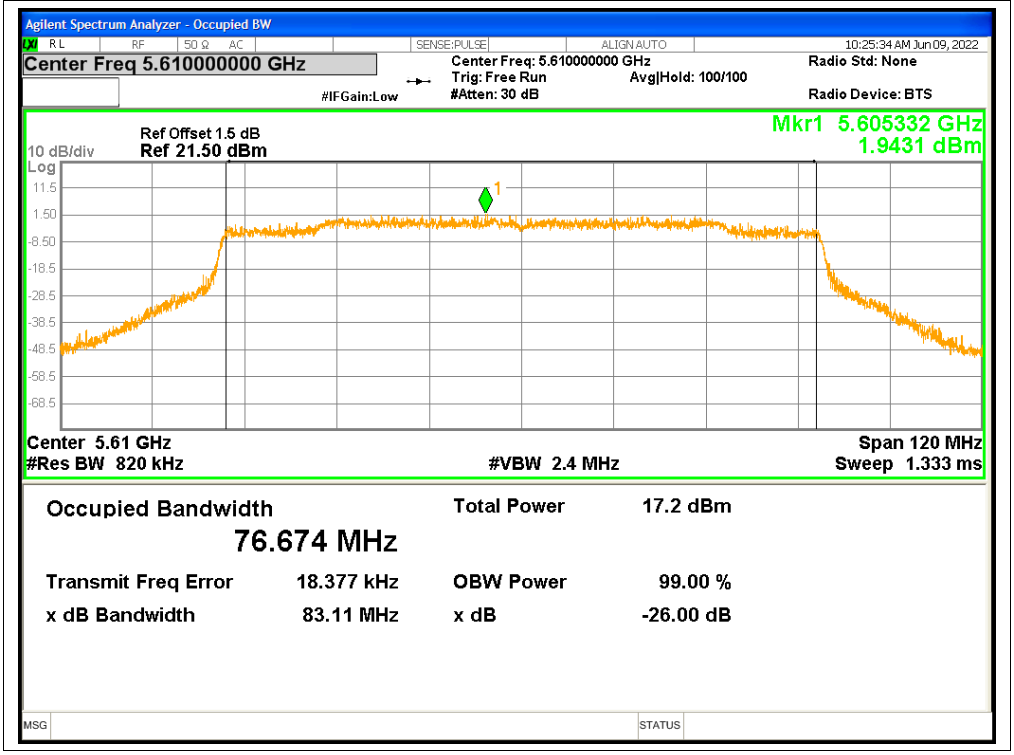
OBW NVNT ax40 5670MHz



OBW NVNT ax80 5530MHz



OBW NVNT ax80 5610MHz



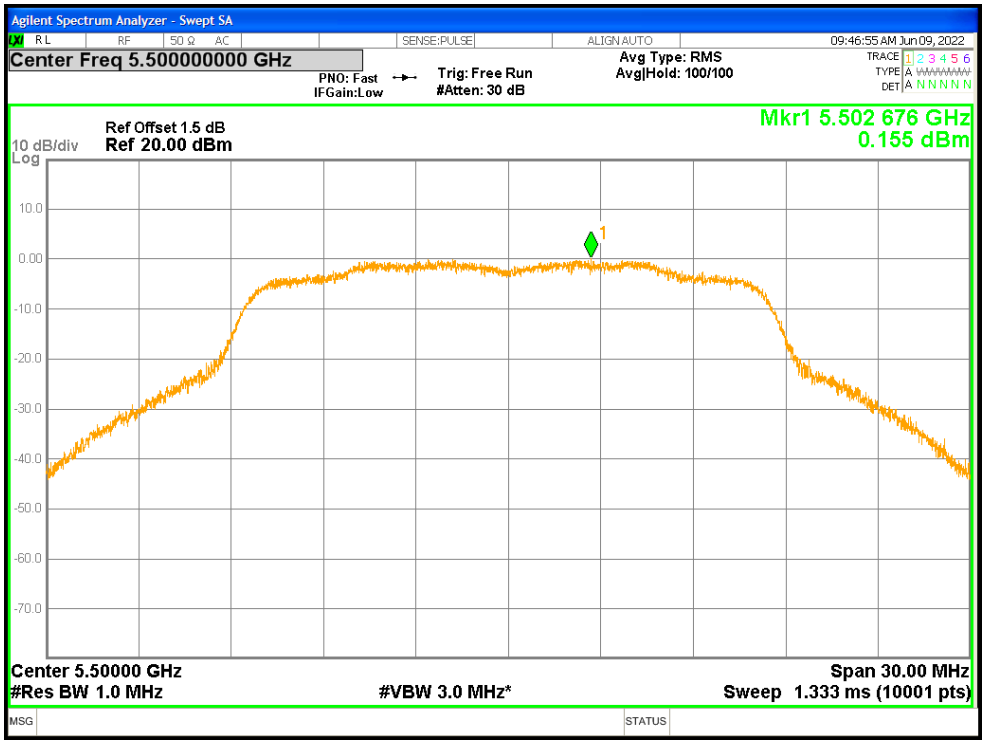
Maximum Power Spectral Density Level

5470-5725MHz								
Frequency	Direct measurement Ant_A Power Density (dBm)	Direct measurement Ant_B Power Density (dBm)	Duty cycle factor (dB)	Final Ant_A Power Density (dBm)	Final Ant_B Power Density (dBm)	Power Density Total (dBm)	Limit (dBm)	Result
802.11a								
5500	0.16	0.41	1.16	1.320	1.570	--	11	PASS
5580	-0.4	-0.95	1.16	0.760	0.210	--	11	PASS
5700	0.08	-0.26	1.16	1.240	0.900	--	11	PASS
802.11n20								
5500	-0.21	0.19	1.02	0.810	1.210	4.025	11	PASS
5580	-0.22	-0.91	1.03	0.810	0.120	3.489	11	PASS
5700	-0.14	0.07	1.02	0.880	1.090	3.997	11	PASS
802.11n40								
5510	-2.99	-2.95	0.99	-2.000	-1.960	1.030	11	PASS
5550	-3.14	-3.14	1	-2.140	-2.140	0.870	11	PASS
5670	-2.87	-3.42	1	-1.870	-2.420	0.874	11	PASS
802.11ac20								
5500	-0.07	-0.05	1.08	1.010	1.030	4.030	11	PASS
5580	-0.14	-0.84	1.08	0.940	0.240	3.614	11	PASS
5700	-0.25	-0.39	1.08	0.830	0.690	3.771	11	PASS
802.11ac40								
5510	-3.17	-2.94	1.13	-2.040	-1.810	1.087	11	PASS
5550	-3.23	-2.97	1.12	-2.110	-1.850	1.032	11	PASS
5670	-3.06	-3.42	1.13	-1.930	-2.290	0.904	11	PASS
802.11ac80								
5530	-5.98	-5.95	1.12	-4.860	-4.830	-1.835	11	PASS
5610	-6.58	-6.8	1.08	-5.500	-5.720	-2.598	11	PASS
802.11ac160								
5570	-8.56	-8.71	1.09	-7.470	-7.620	-4.534	11	PASS
802.11ax20								
5500	0.26	0.22	0.73	0.990	0.950	3.980	11	PASS
5580	-0.03	-0.56	0.73	0.700	0.170	3.453	11	PASS
5700	-0.01	-0.22	0.73	0.720	0.510	3.627	11	PASS
802.11ax40								
5510	-3.09	-3.2	1.04	-2.050	-2.160	0.906	11	PASS
5550	-3.24	-3.51	1.01	-2.230	-2.500	0.647	11	PASS
5670	-3.49	-3.8	9.88	6.390	6.080	9.248	11	PASS
802.11ax80								

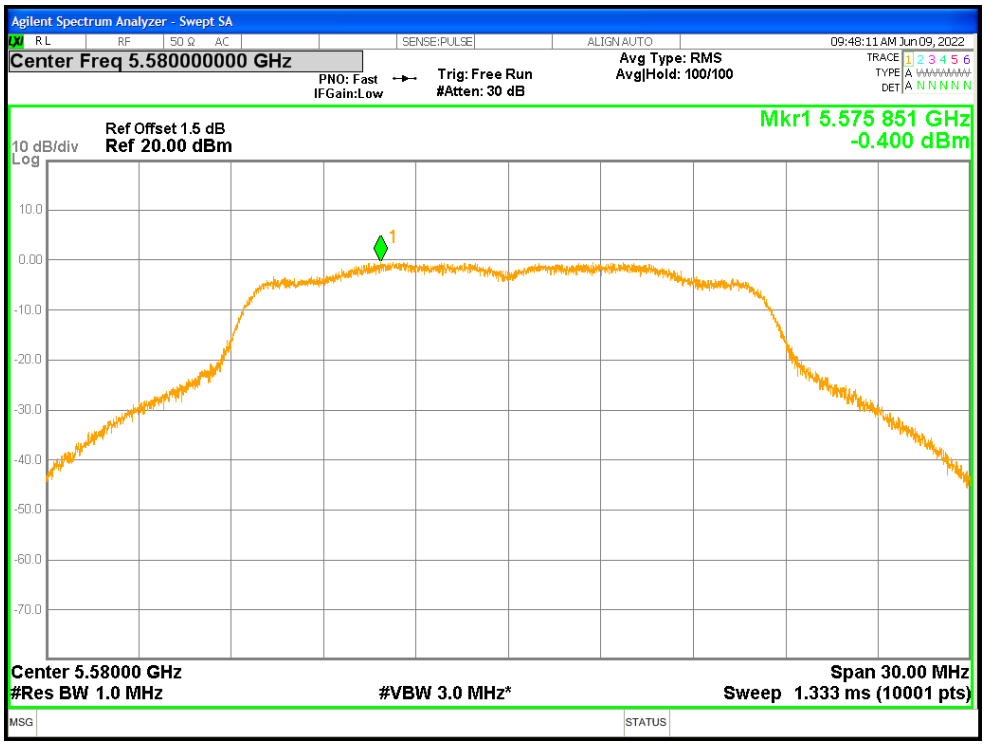
5530	-5.87	-6.23	1.12	-4.750	-5.110	-1.916	11	PASS
5610	-6.54	-7.1	1.1	-5.440	-6.000	-2.701	11	PASS
802.11ax160								
5570	-8.86	-8.95	1.11	-7.750	-7.840	-4.784	11	PASS

ANT_A

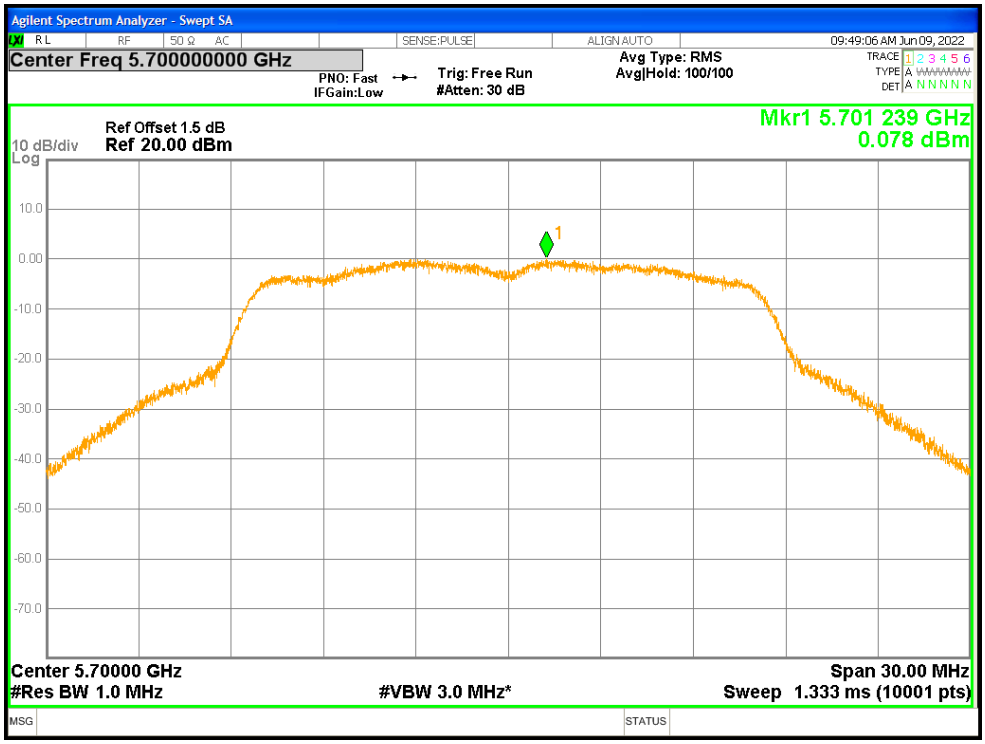
Test Graphs
PSD NVNT a 5500MHz



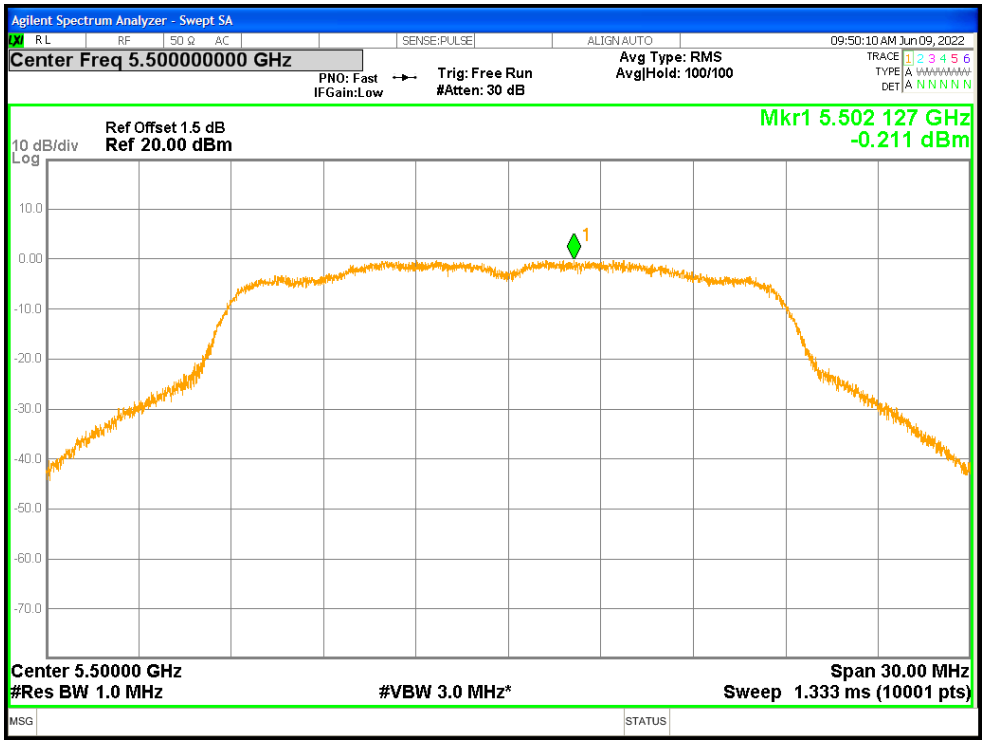
PSD NVNT a 5580MHz



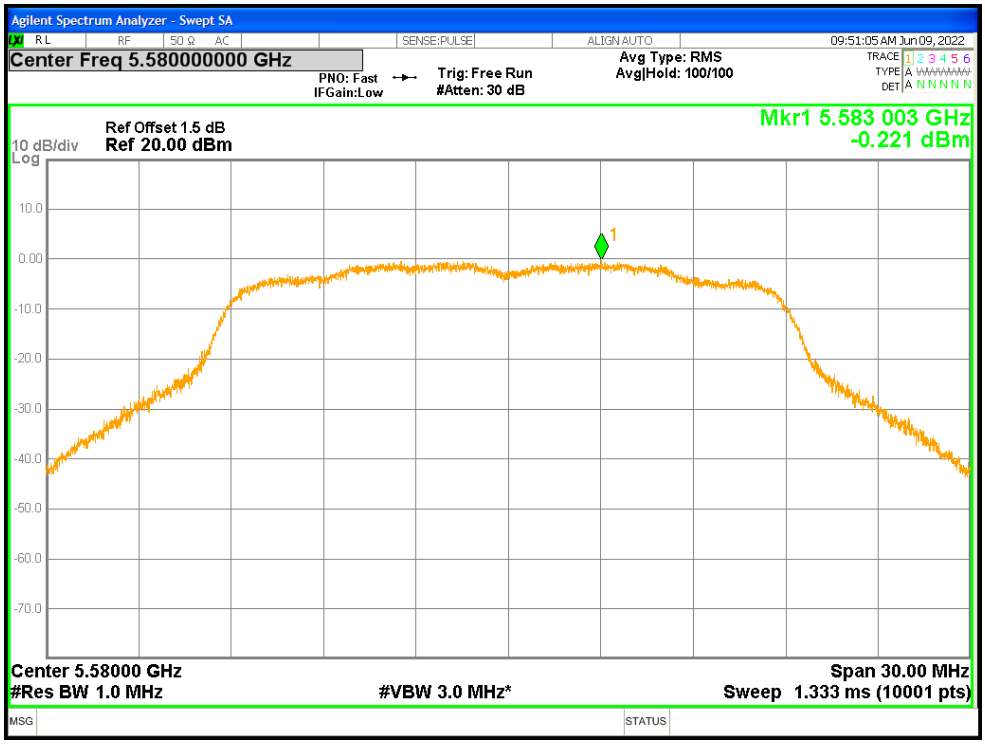
PSD NVNT a 5700MHz



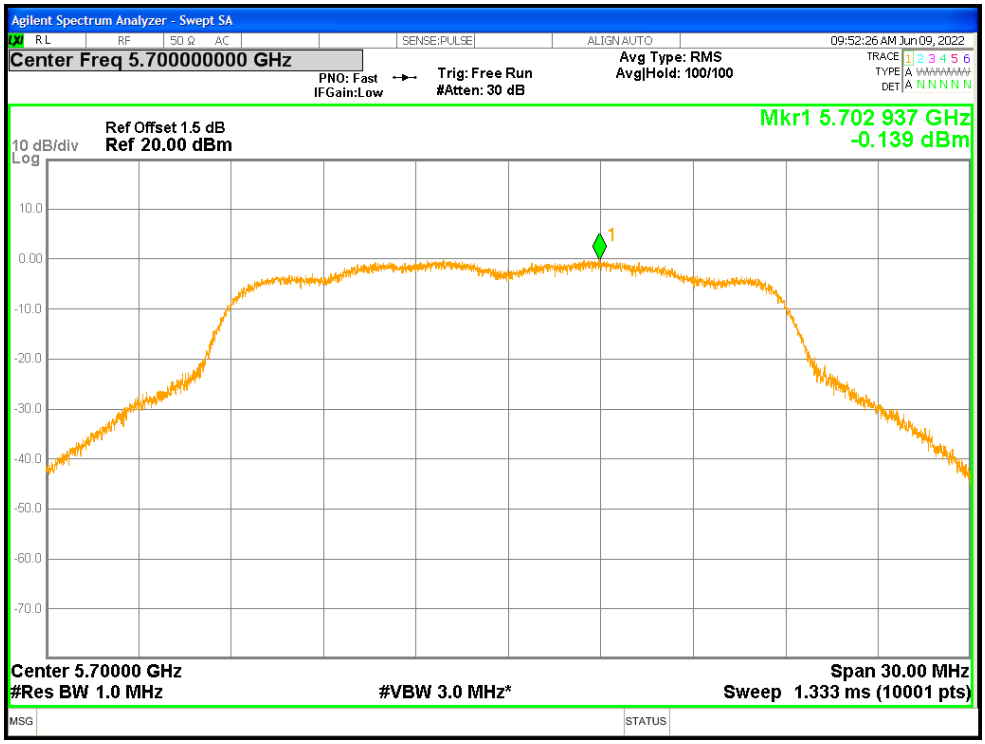
PSD NVNT n20 5500MHz



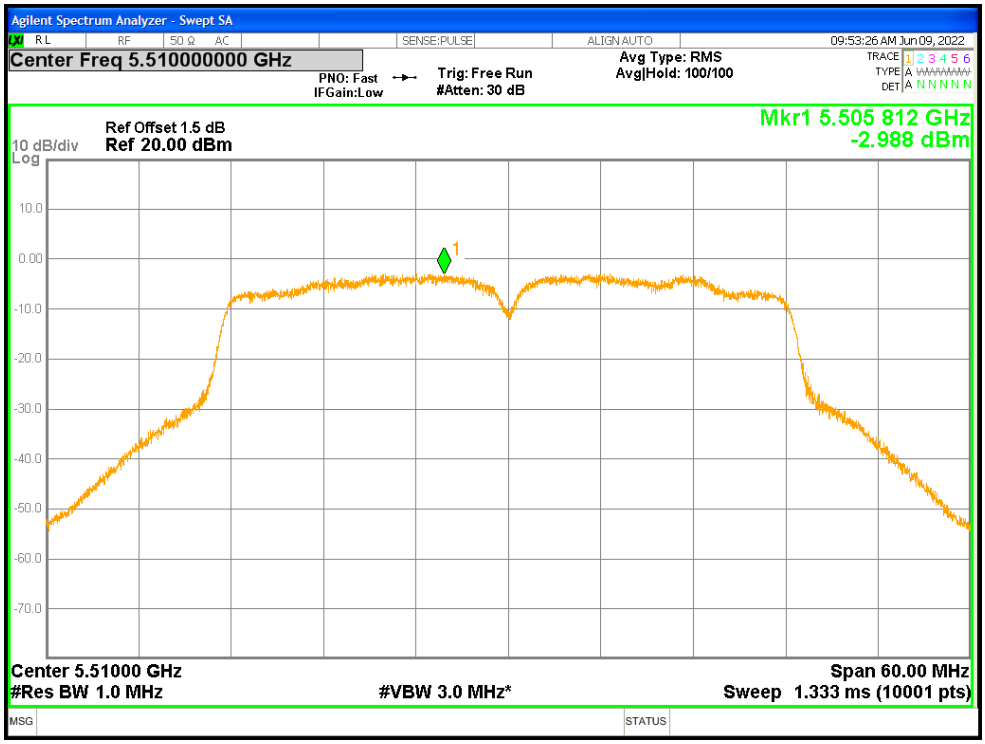
PSD NVNT n20 5580MHz



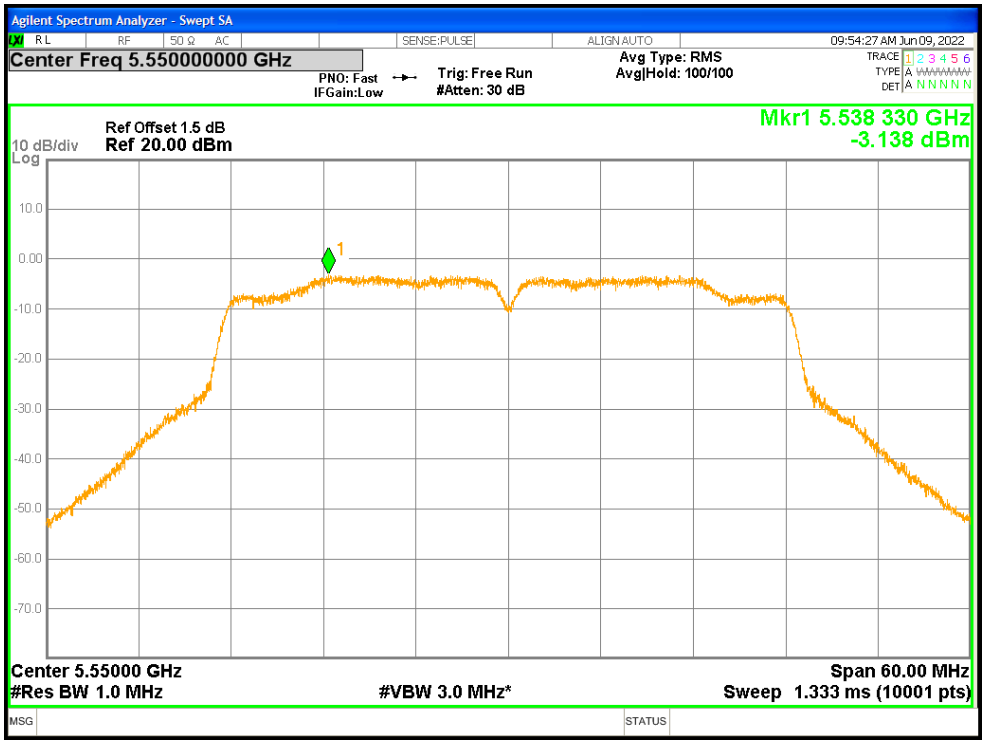
PSD NVNT n20 5700MHz



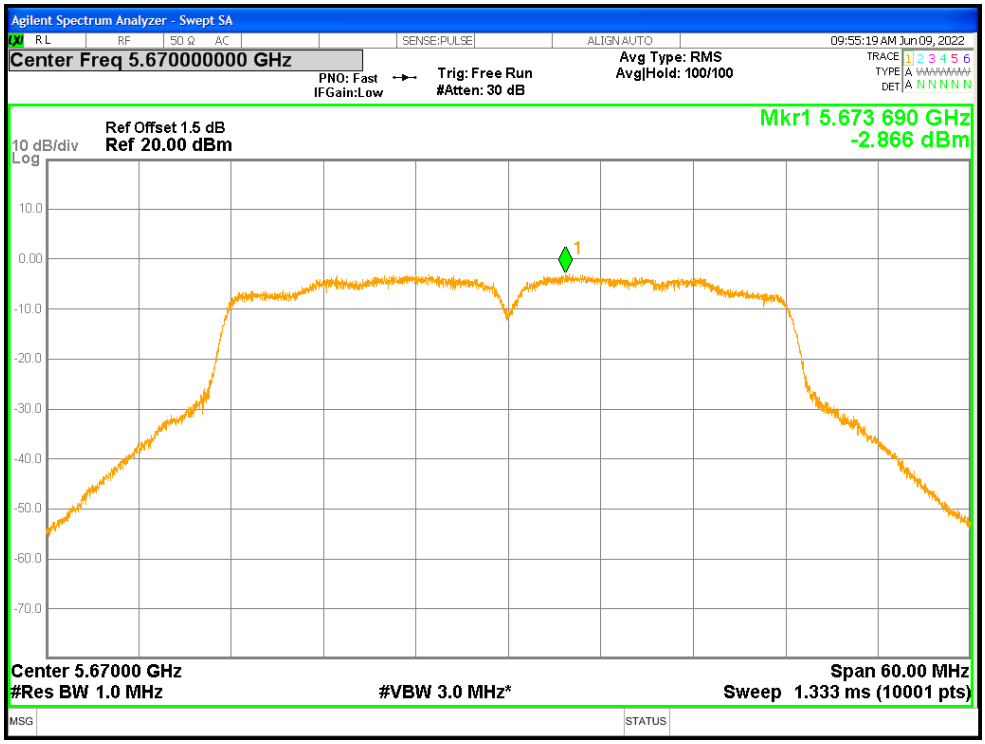
PSD NVNT n40 5510MHz



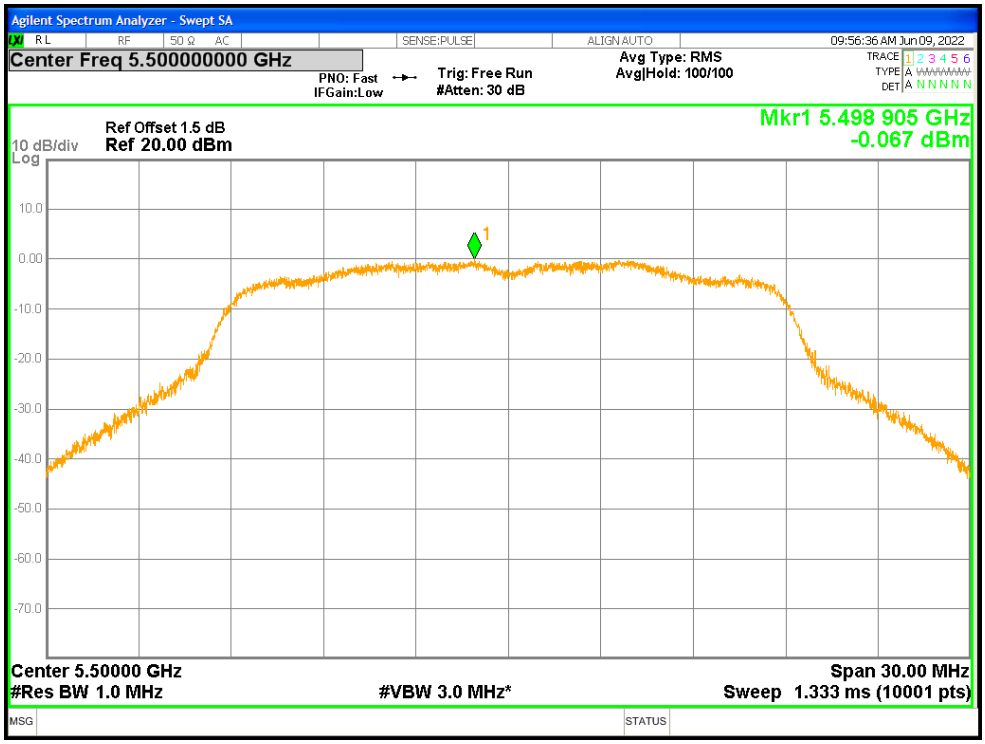
PSD NVNT n40 5550MHz



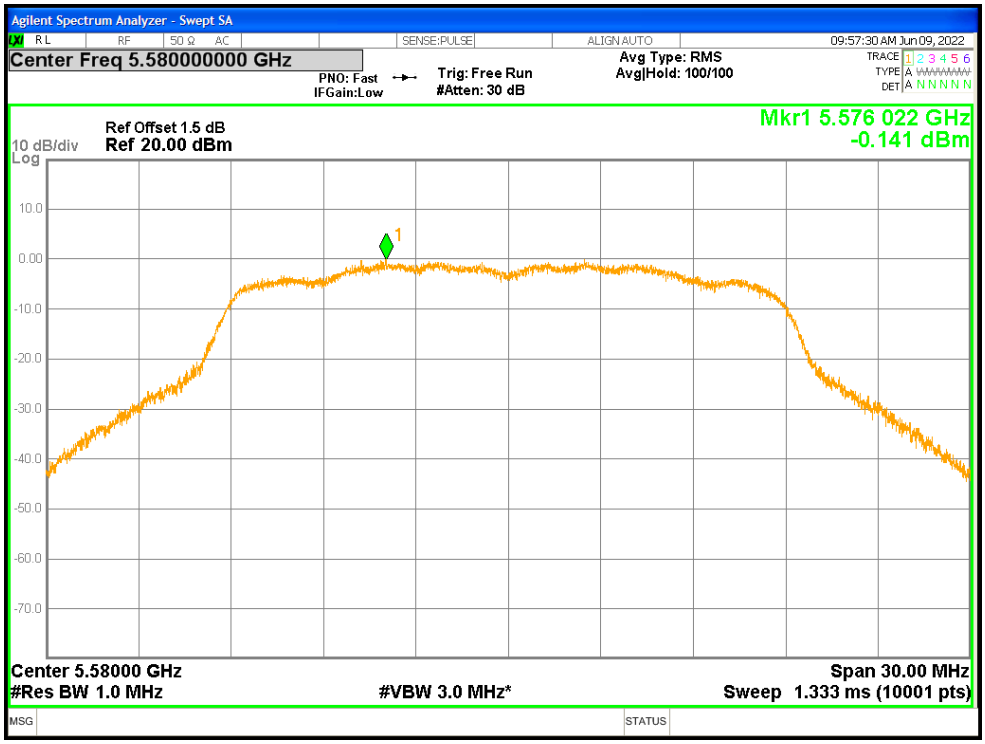
PSD NVNT n40 5670MHz



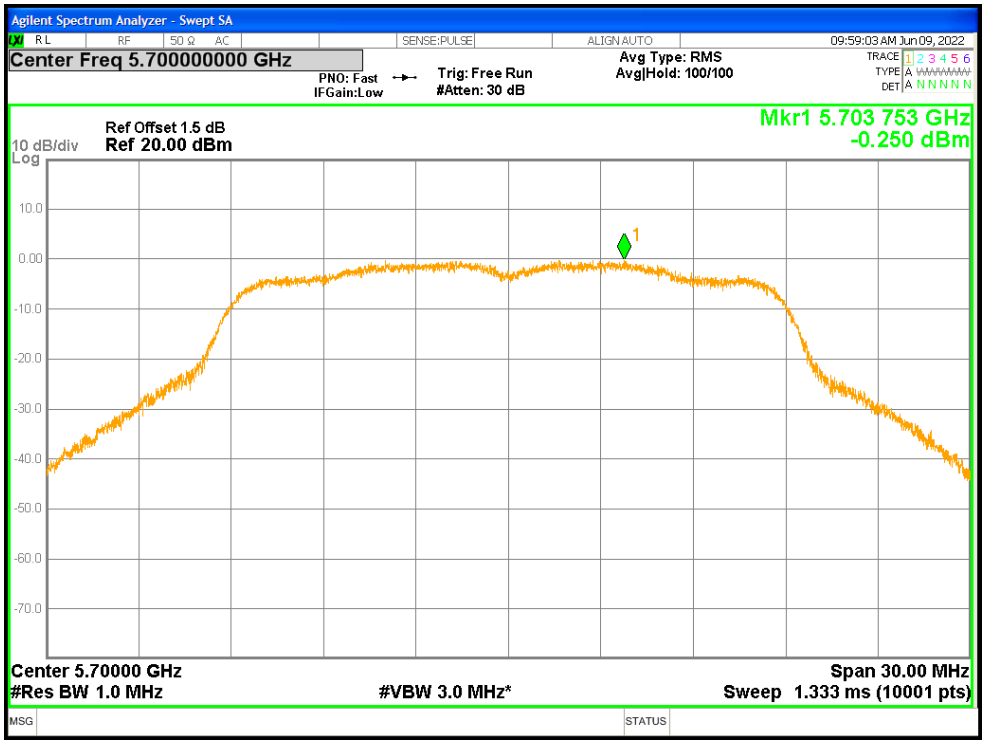
PSD NVNT ac20 5500MHz



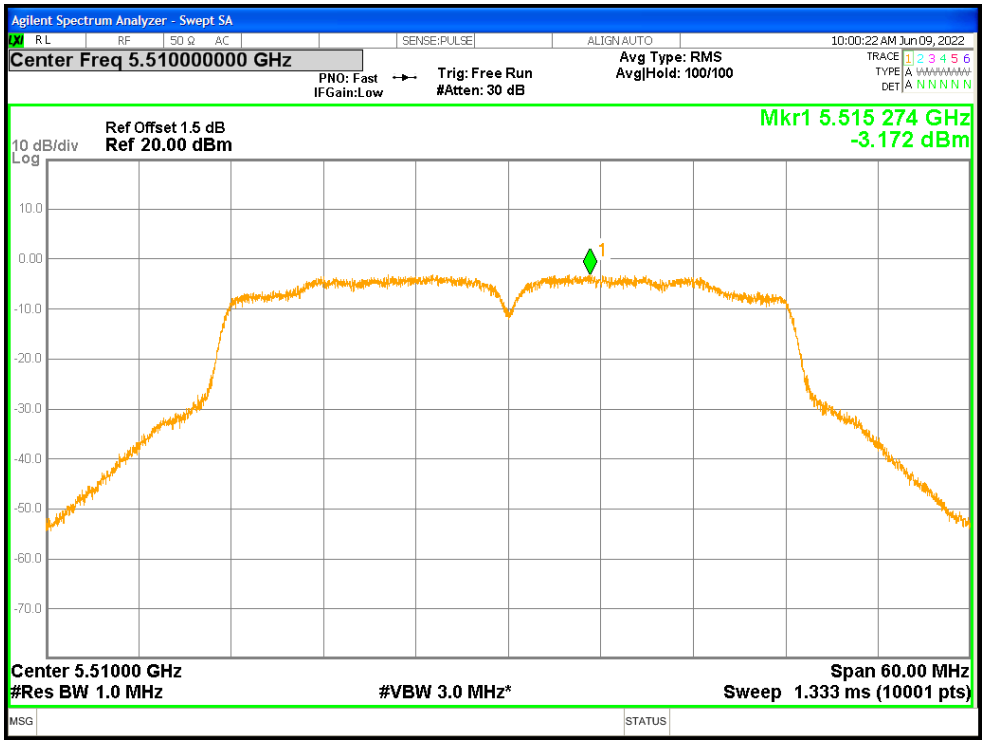
PSD NVNT ac20 5580MHz



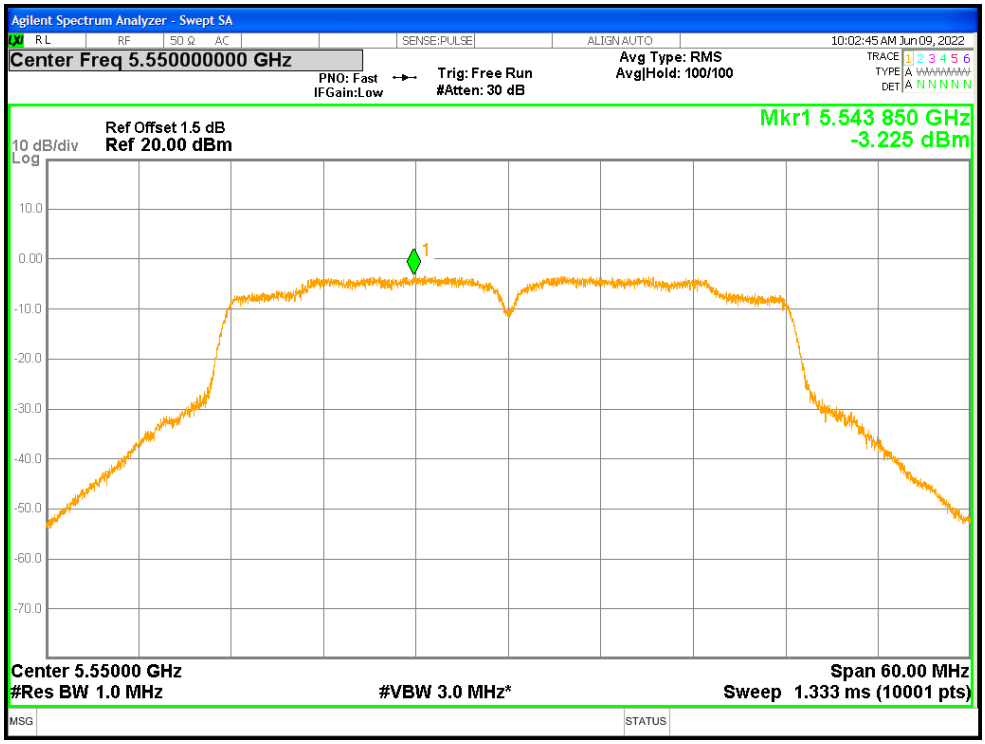
PSD NVNT ac20 5700MHz



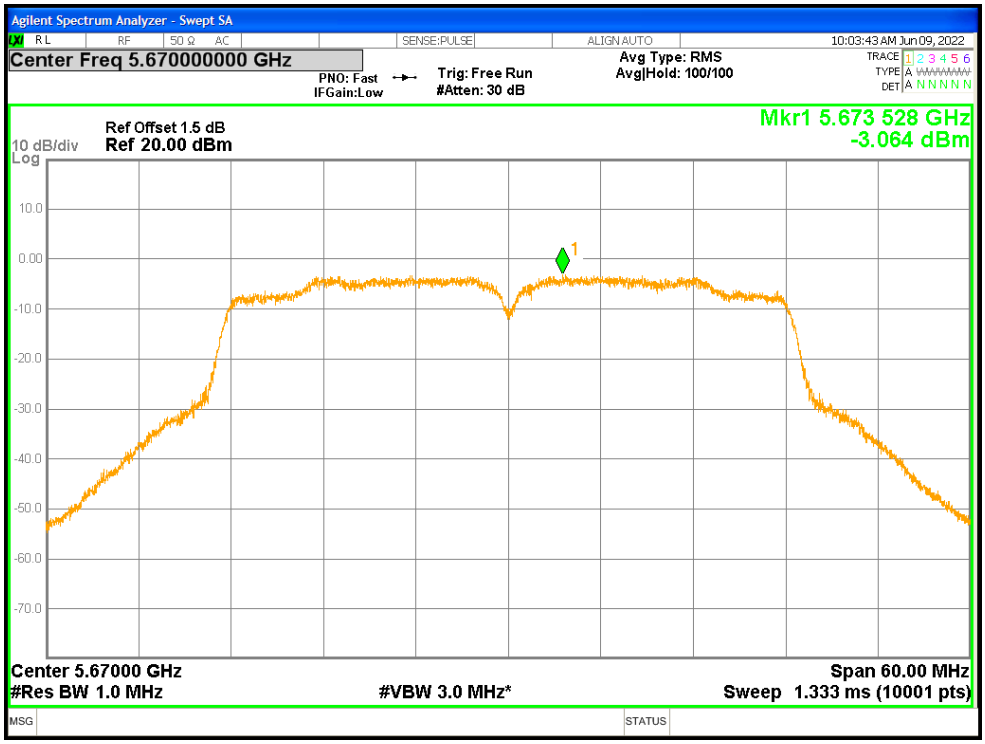
PSD NVNT ac40 5510MHz



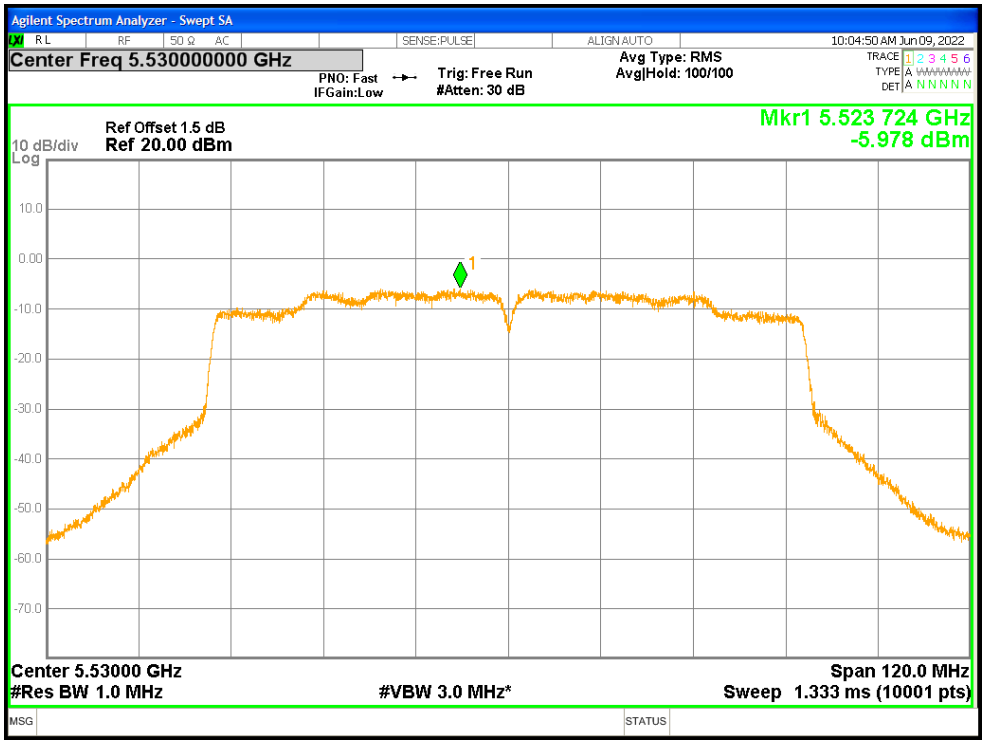
PSD NVNT ac40 5550MHz



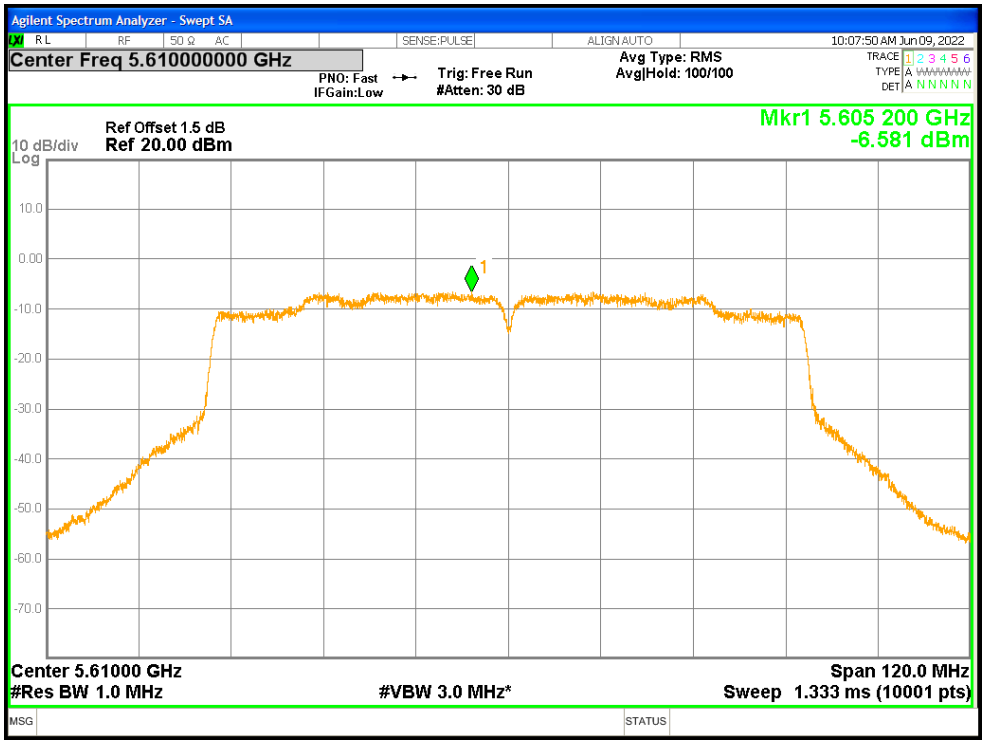
PSD NVNT ac40 5670MHz



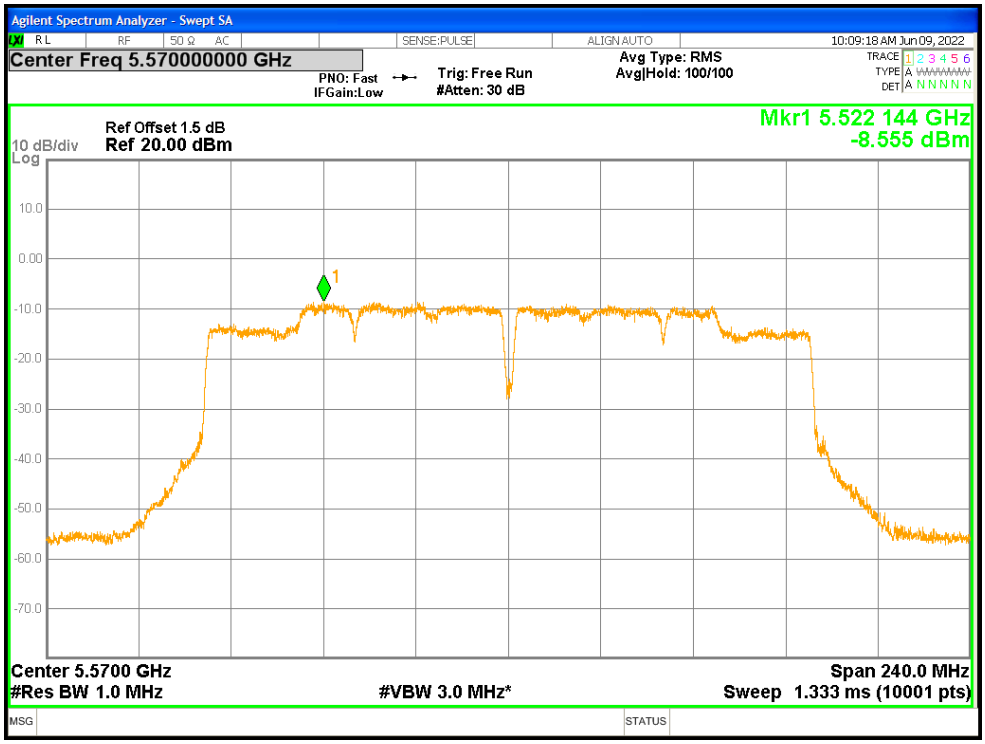
PSD NVNT ac80 5530MHz



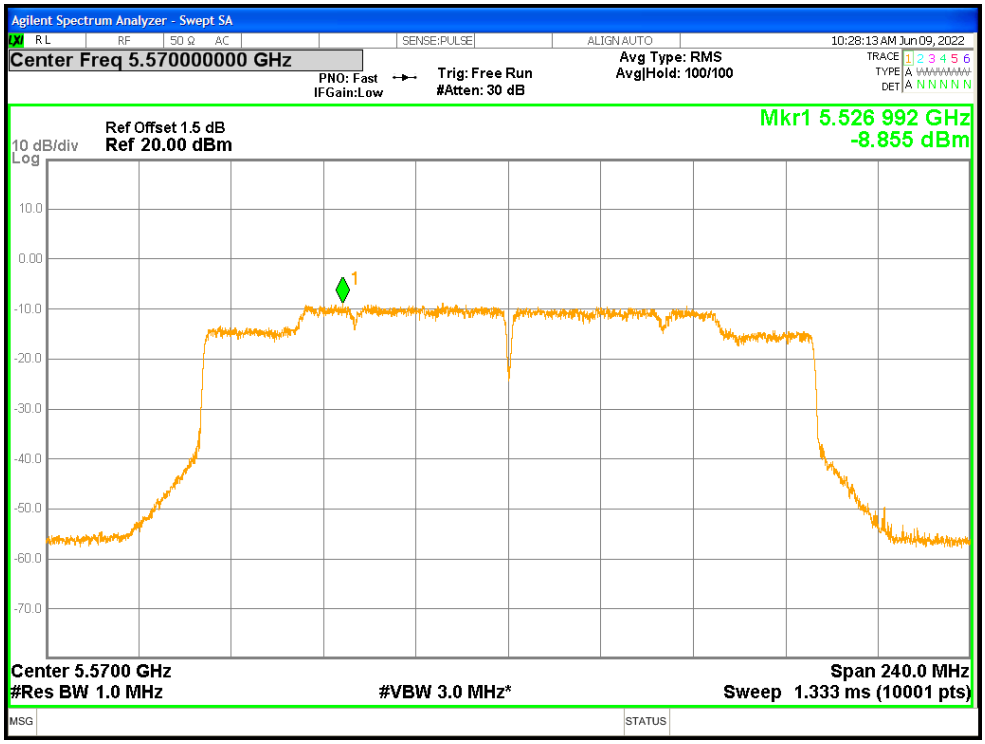
PSD NVNT ac80 5610MHz



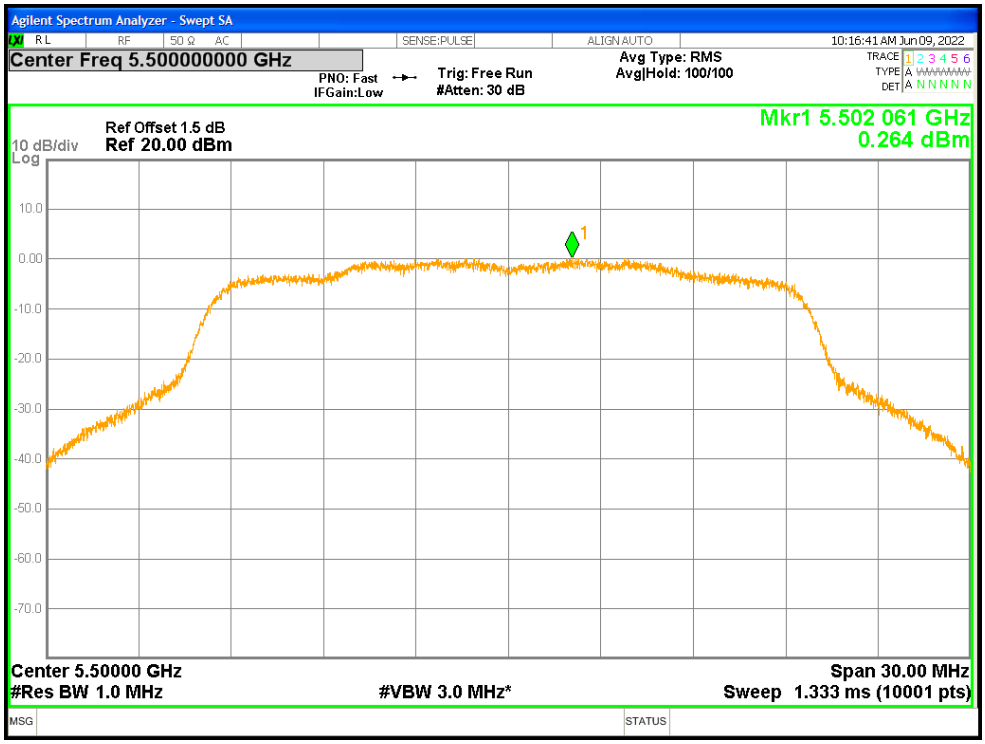
PSD NVNT ac160 5570MHz



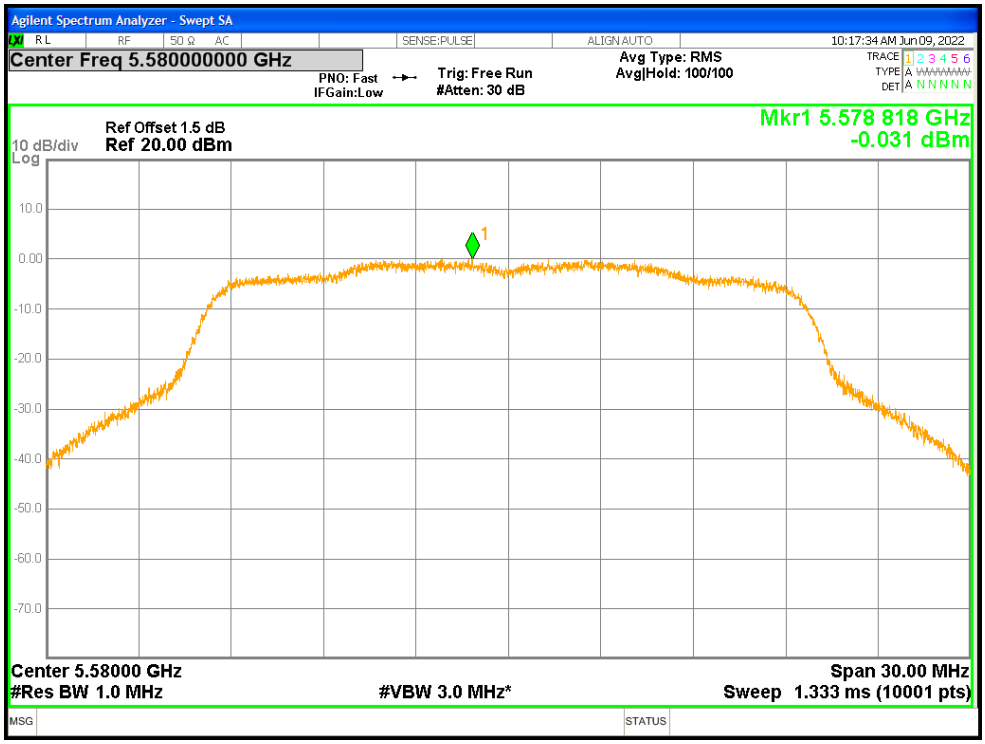
PSD NVNT ax160 5570MHz



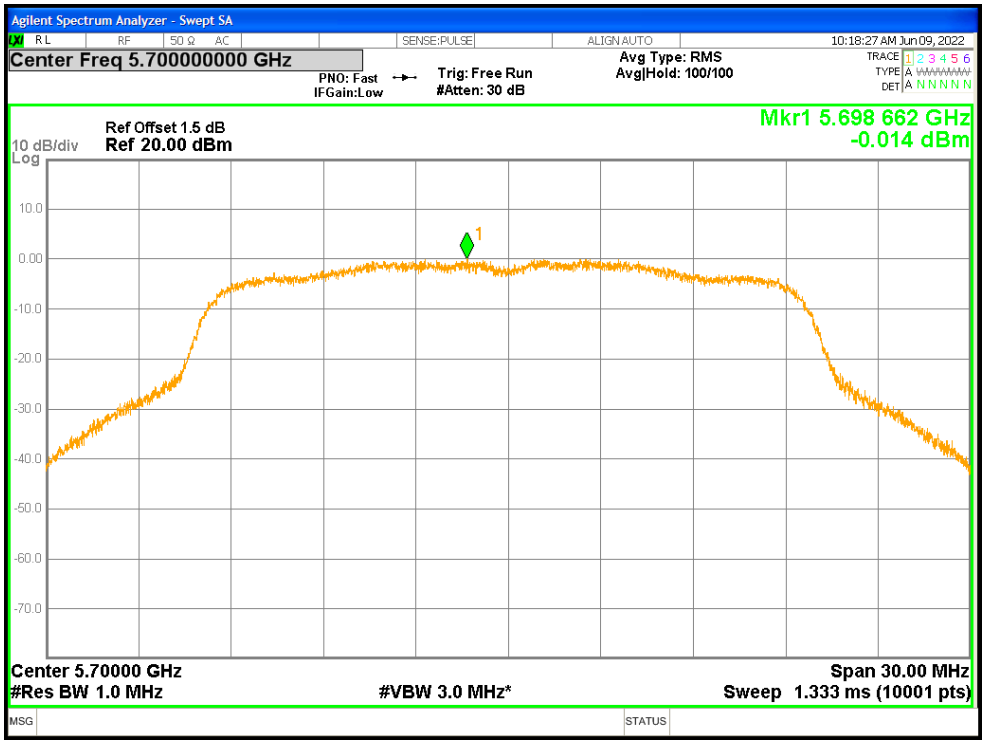
PSD NVNT ax20 5500MHz



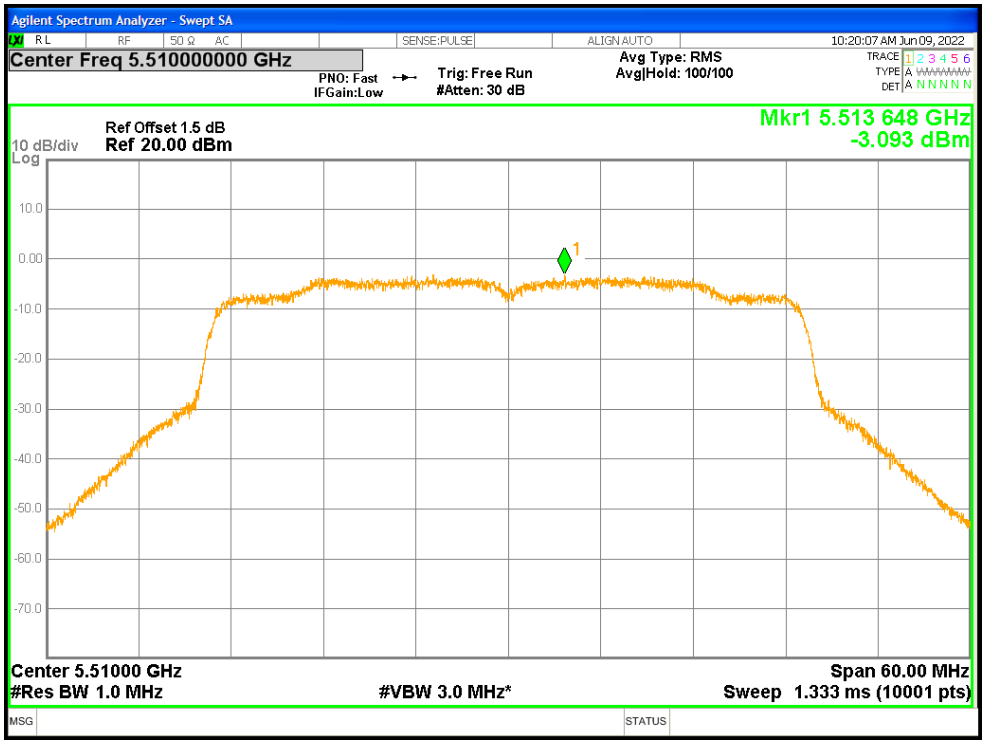
PSD NVNT ax20 5580MHz



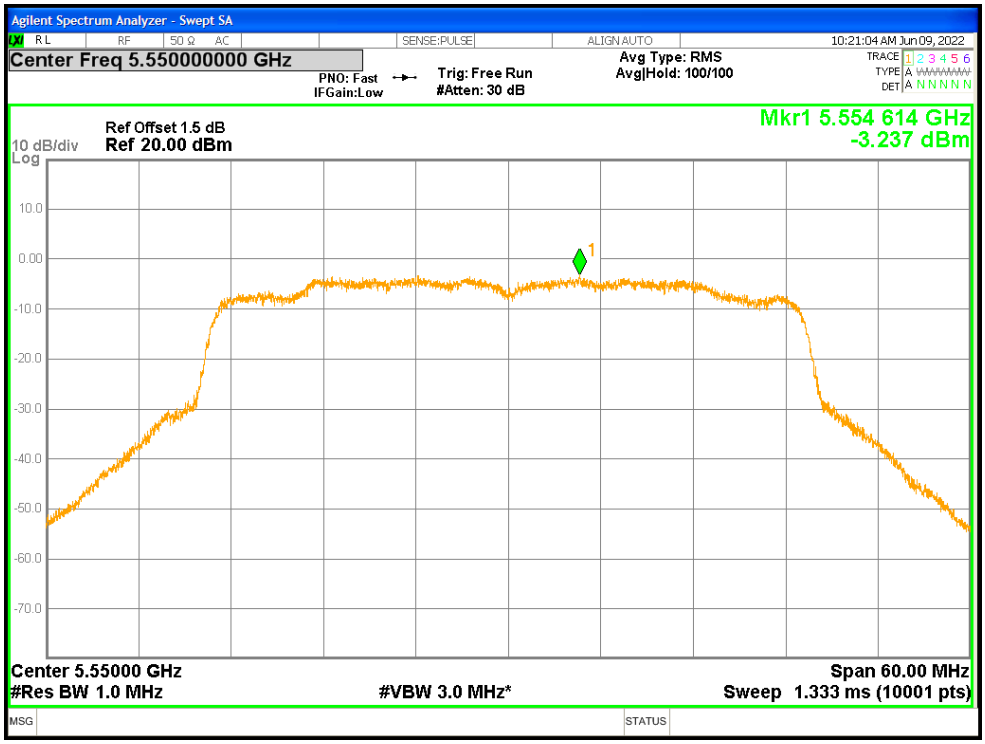
PSD NVNT ax20 5700MHz



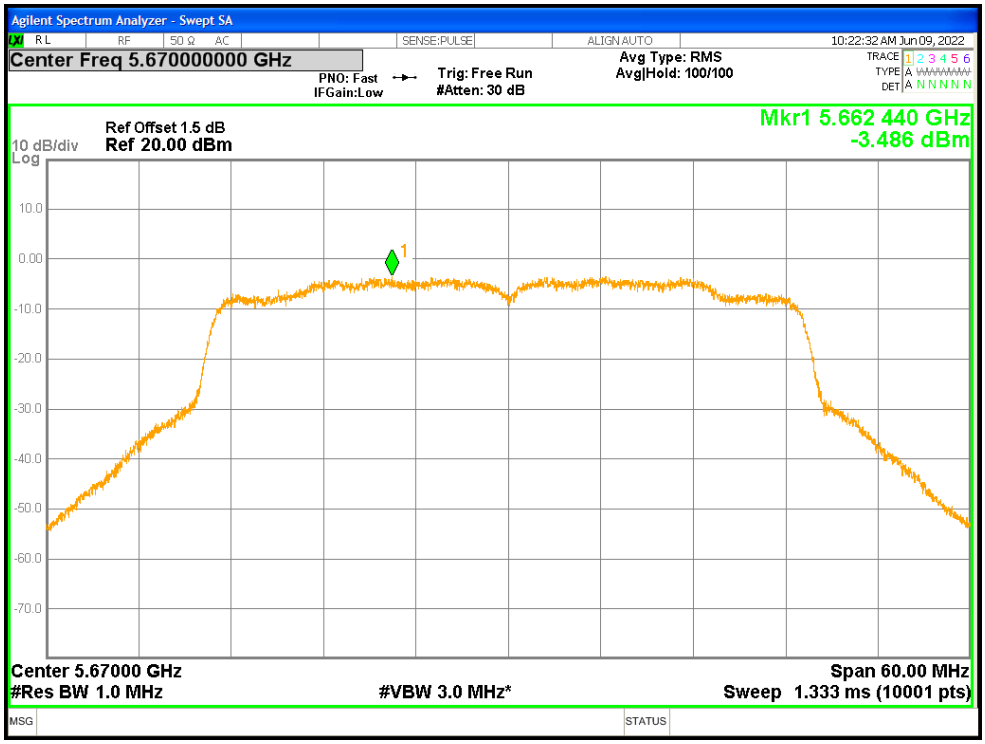
PSD NVNT ax40 5510MHz



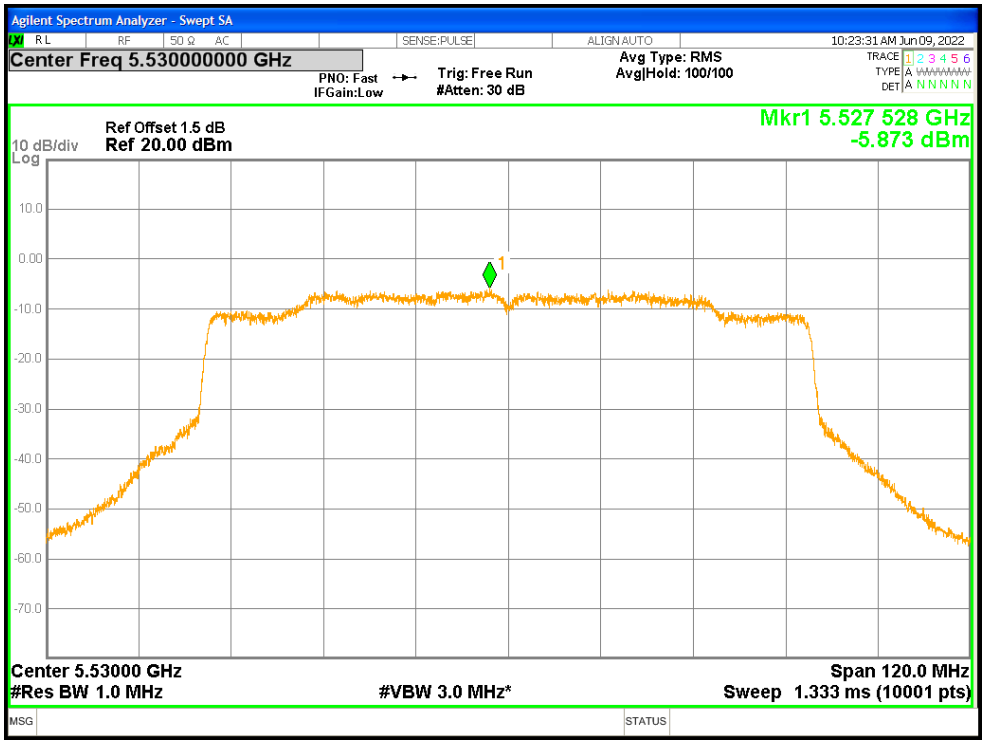
PSD NVNT ax40 5550MHz



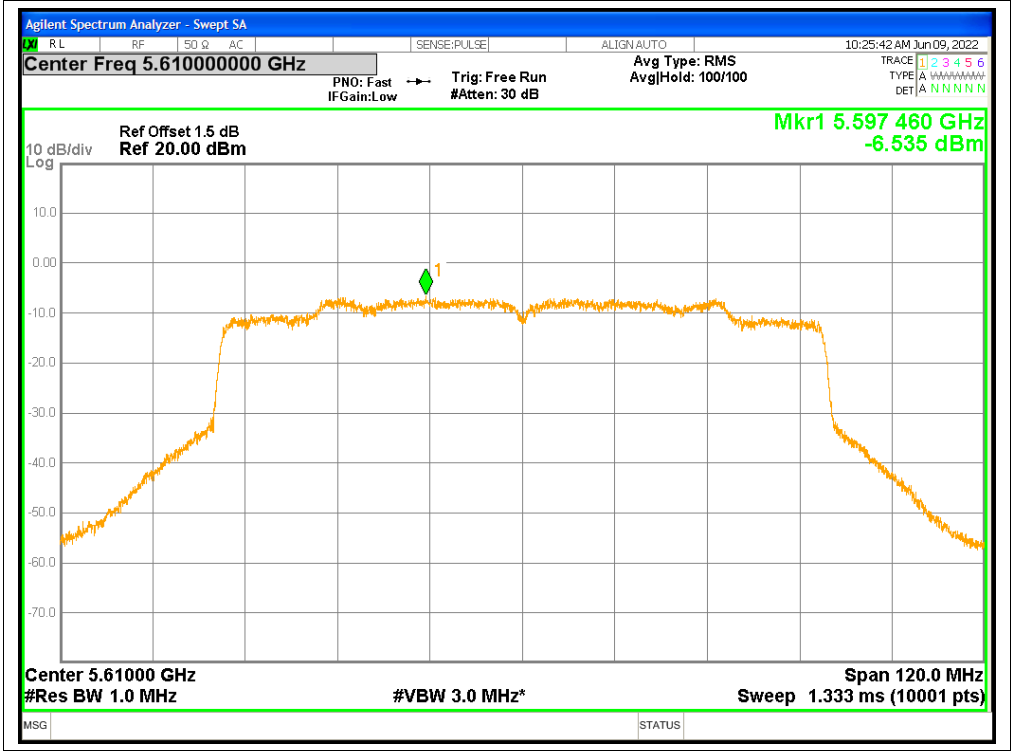
PSD NVNT ax40 5670MHz



PSD NVNT ax80 5530MHz

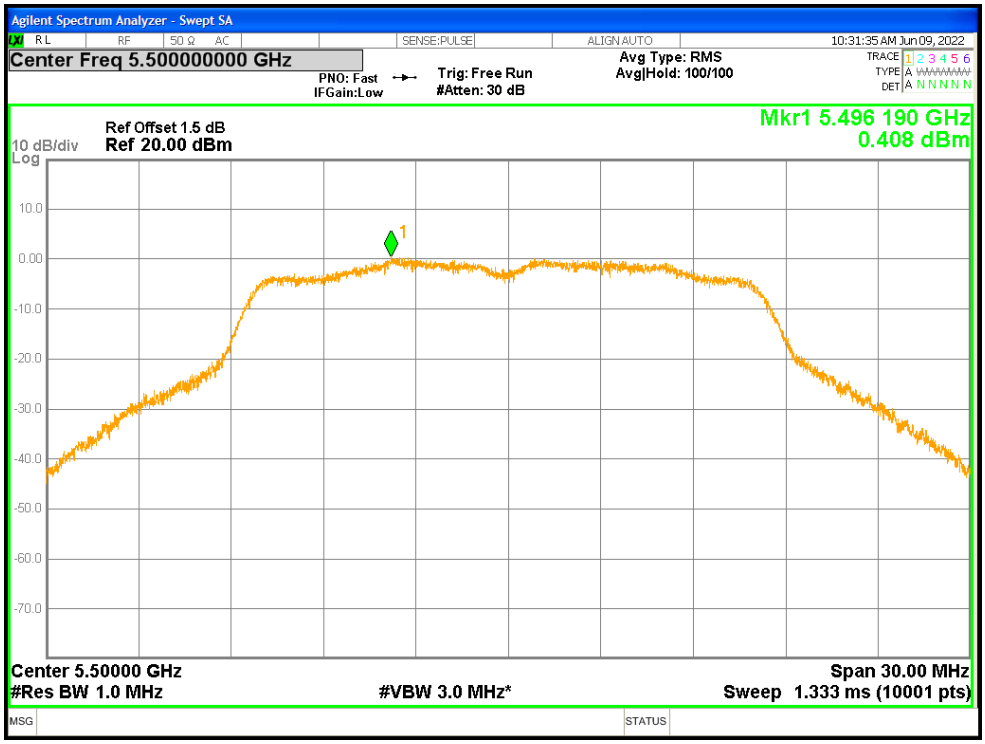


PSD NVNT ax80 5610MHz

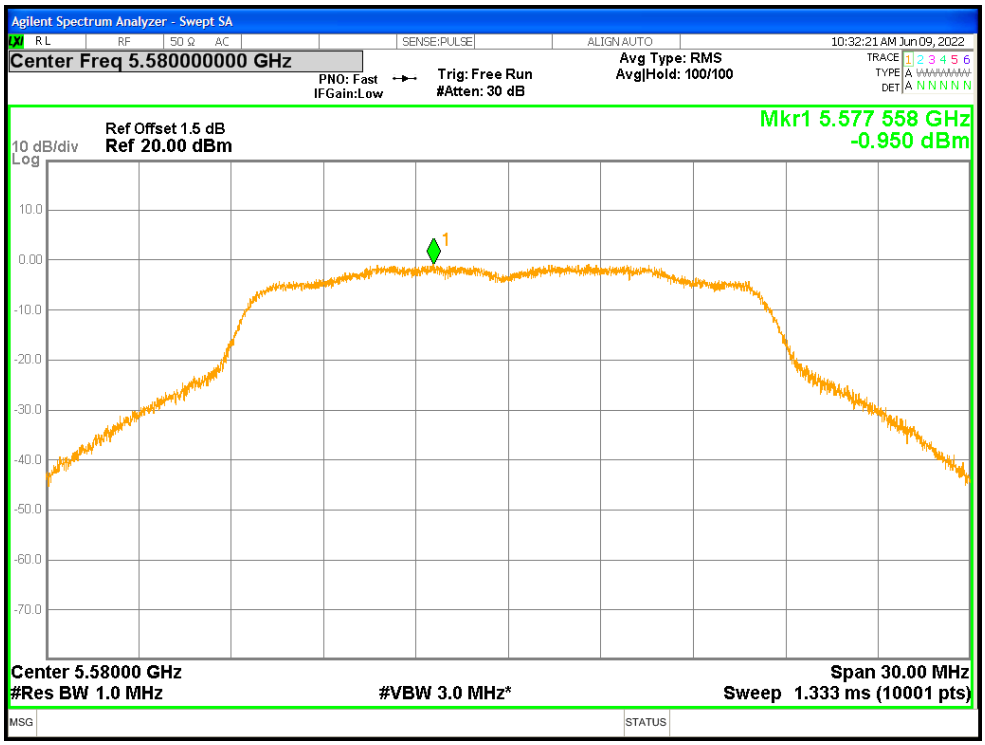


ANT_B

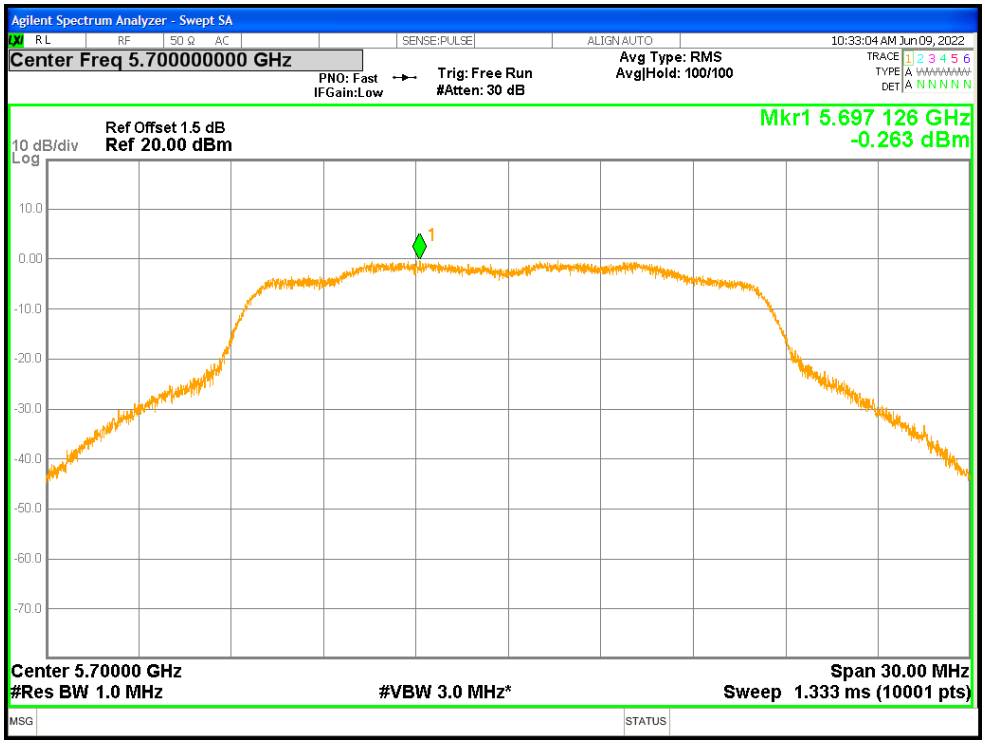
Test Graphs
PSD NVNT a 5500MHz



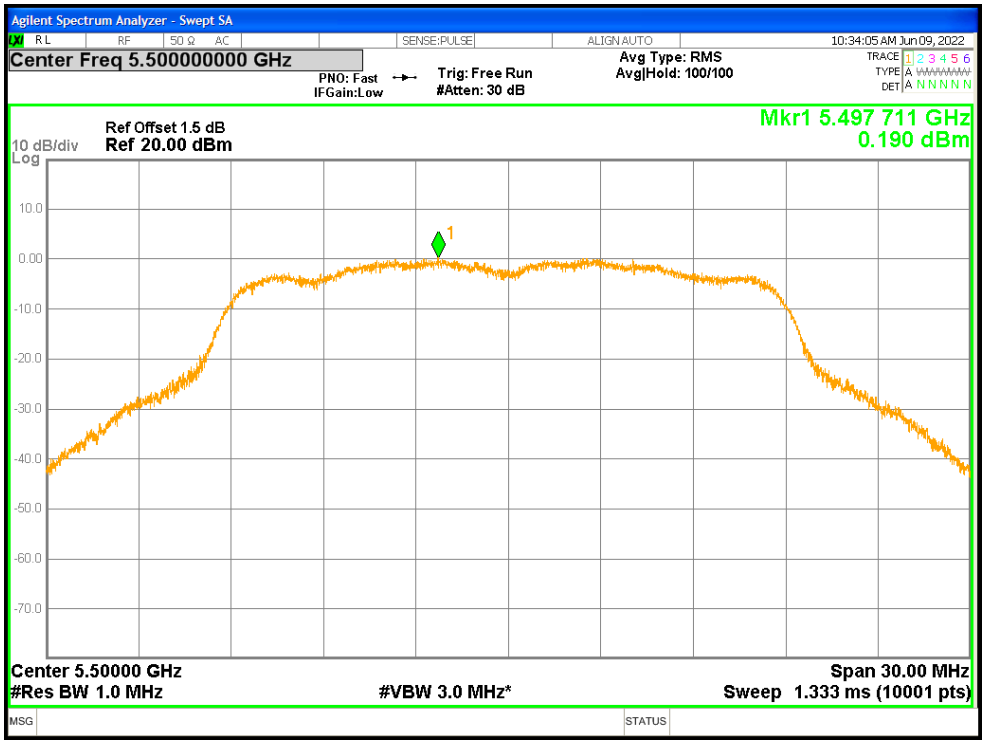
PSD NVNT a 5580MHz



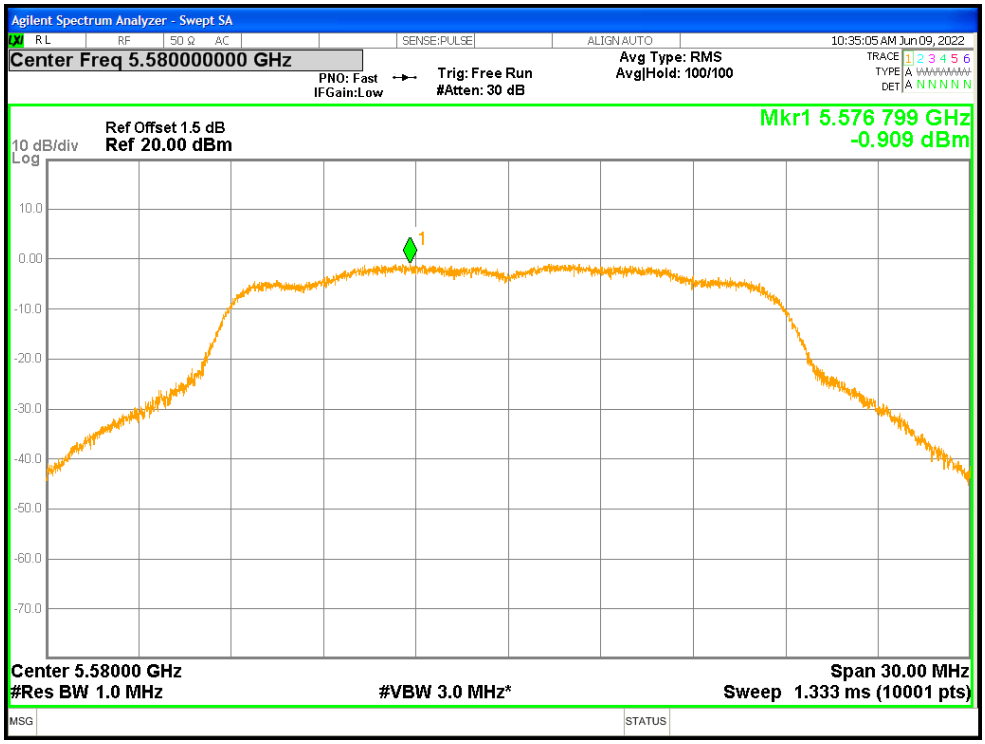
PSD NVNT a 5700MHz



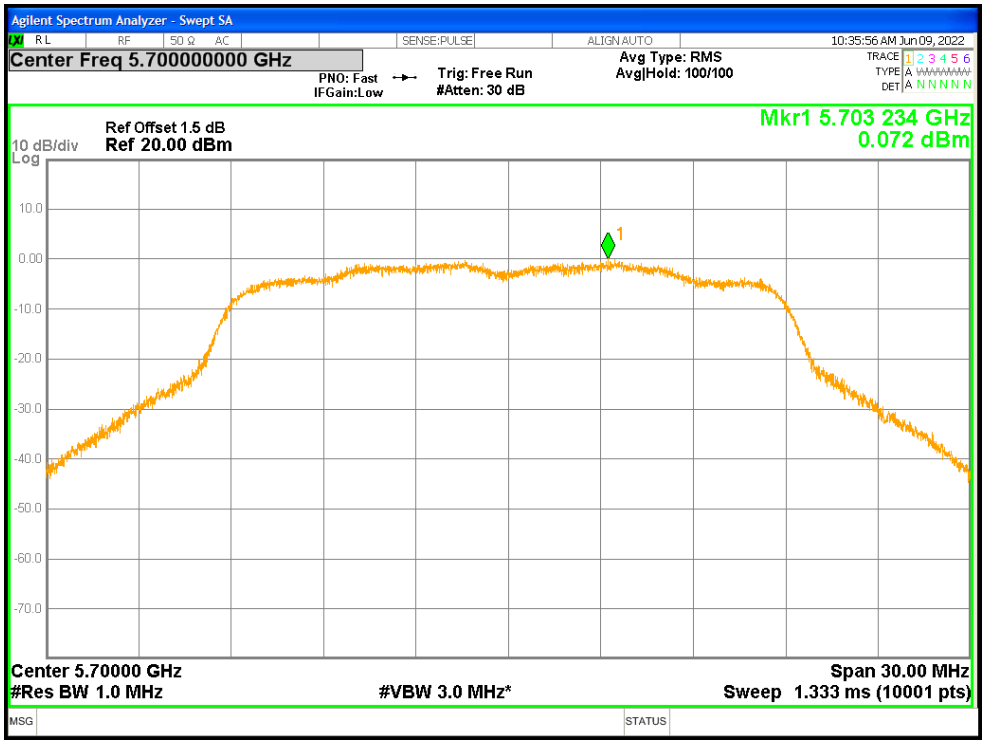
PSD NVNT n20 5500MHz



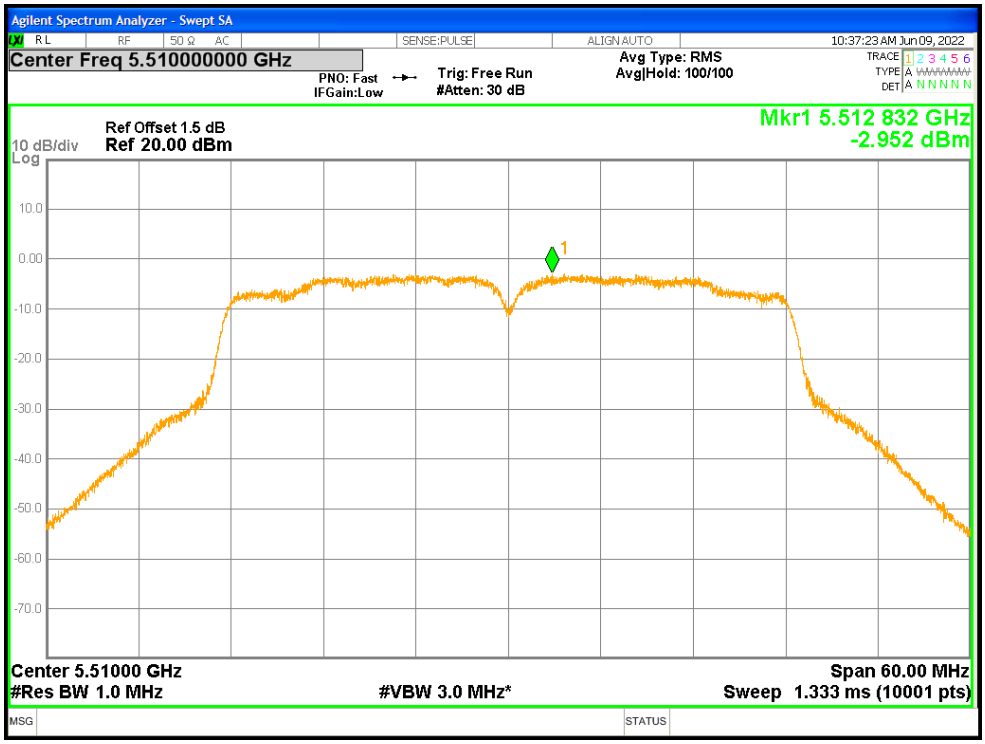
PSD NVNT n20 5580MHz



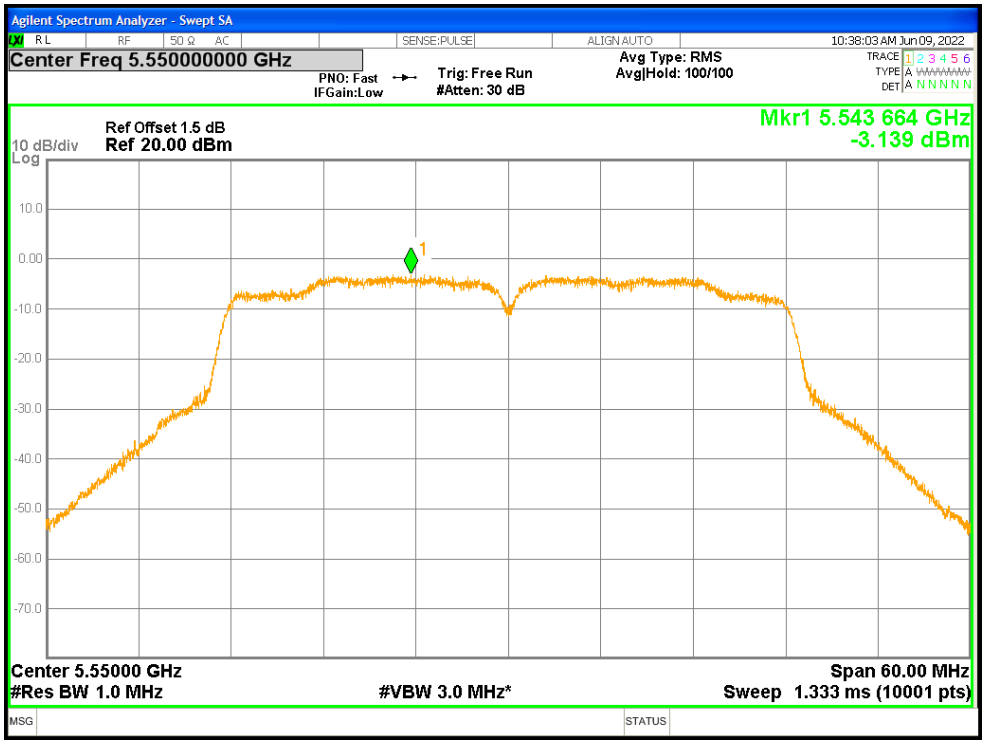
PSD NVNT n20 5700MHz



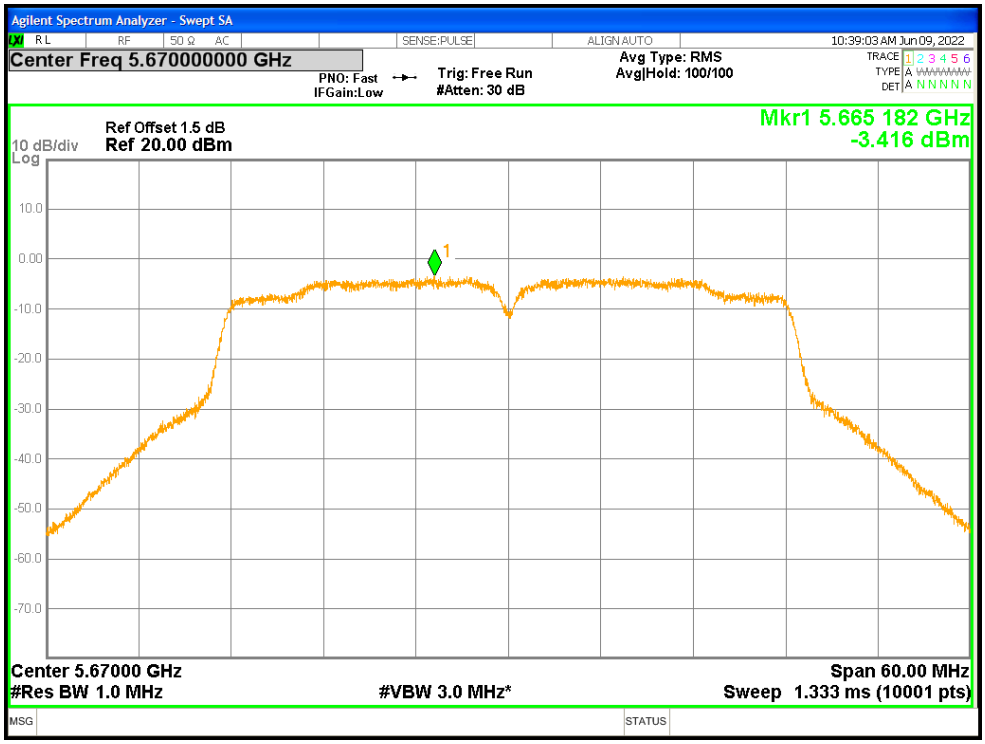
PSD NVNT n40 5510MHz



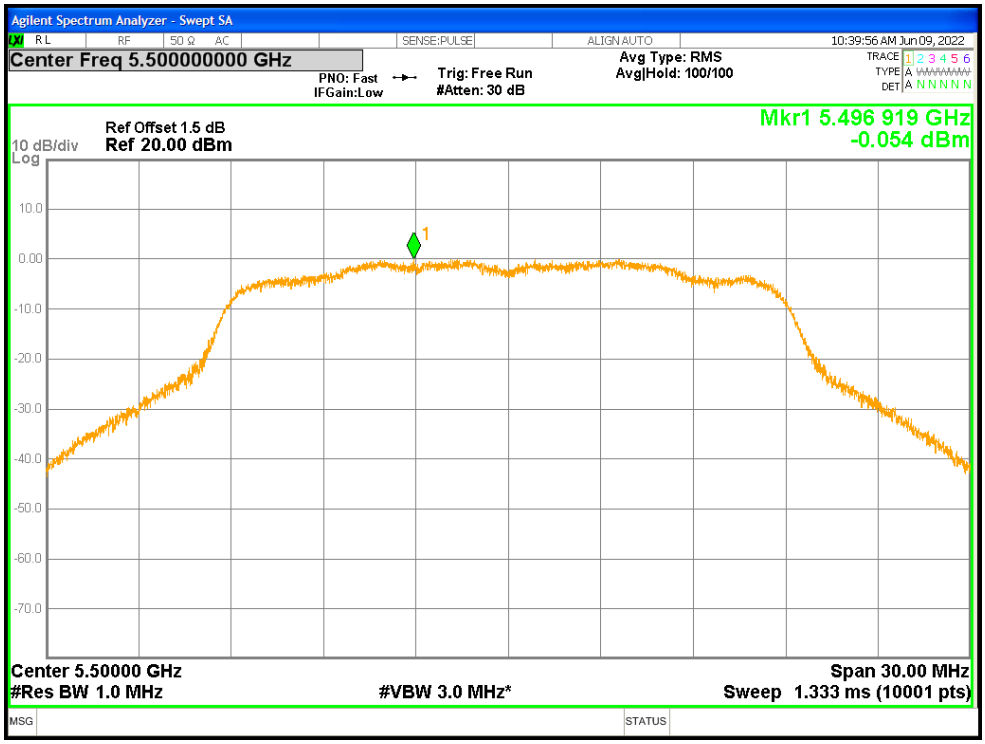
PSD NVNT n40 5550MHz



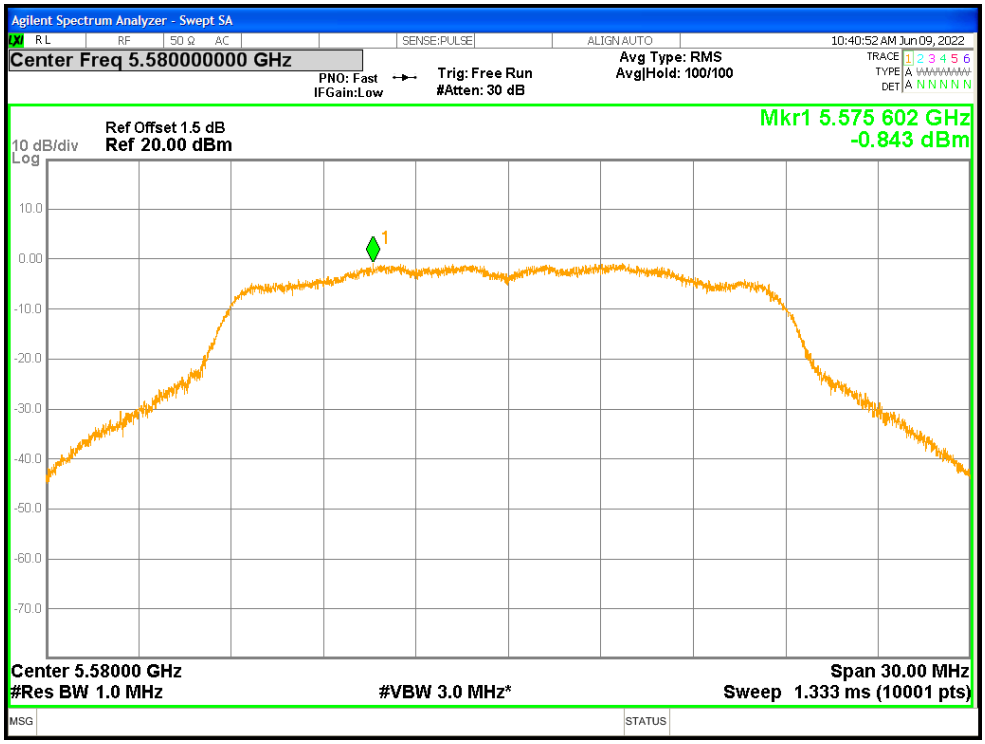
PSD NVNT n40 5670MHz



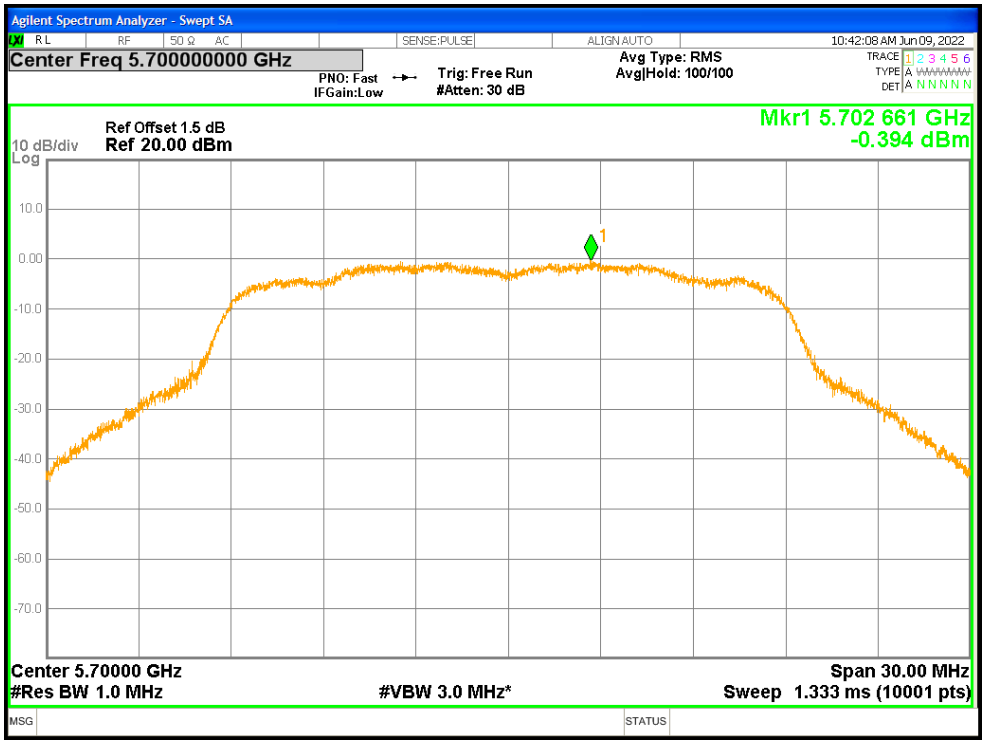
PSD NVNT ac20 5500MHz



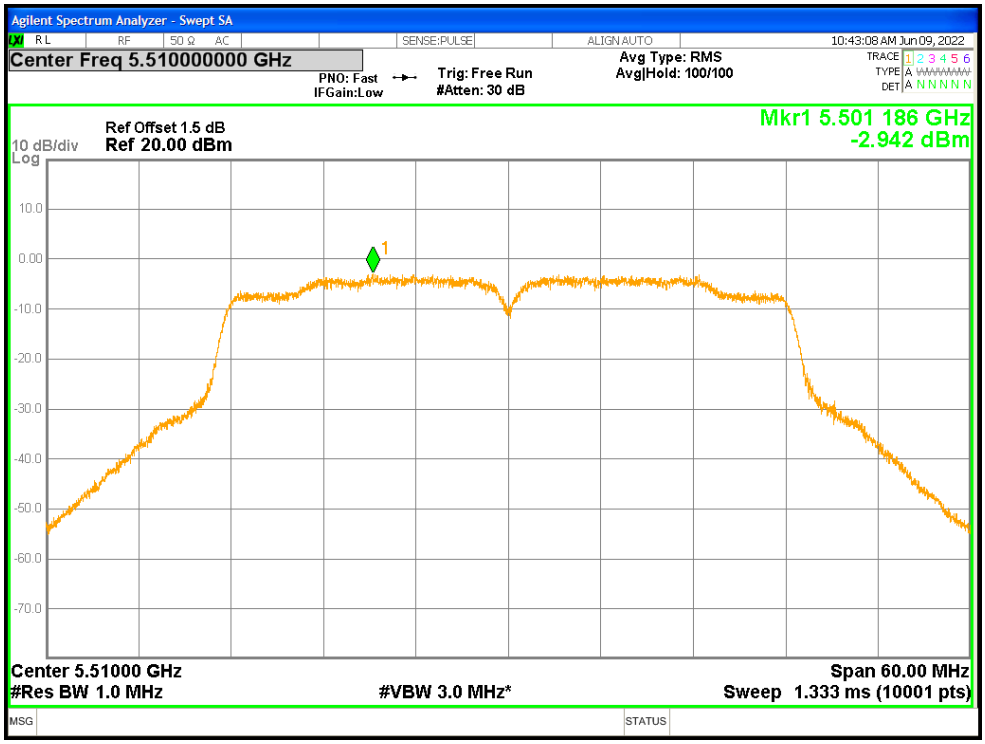
PSD NVNT ac20 5580MHz



PSD NVNT ac20 5700MHz



PSD NVNT ac40 5510MHz



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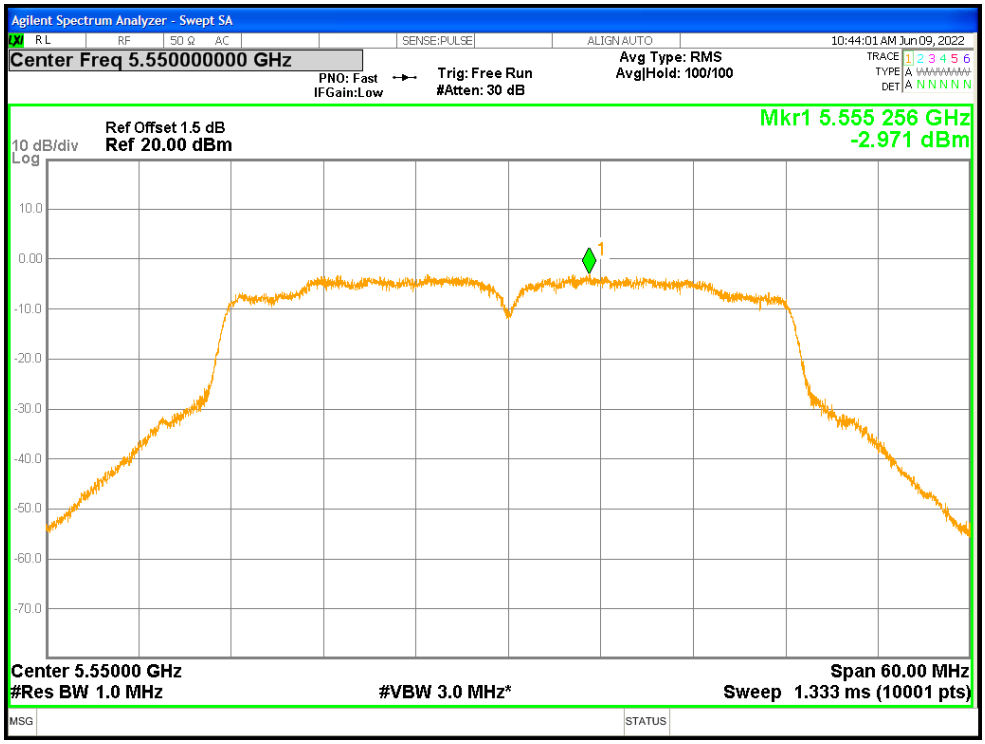
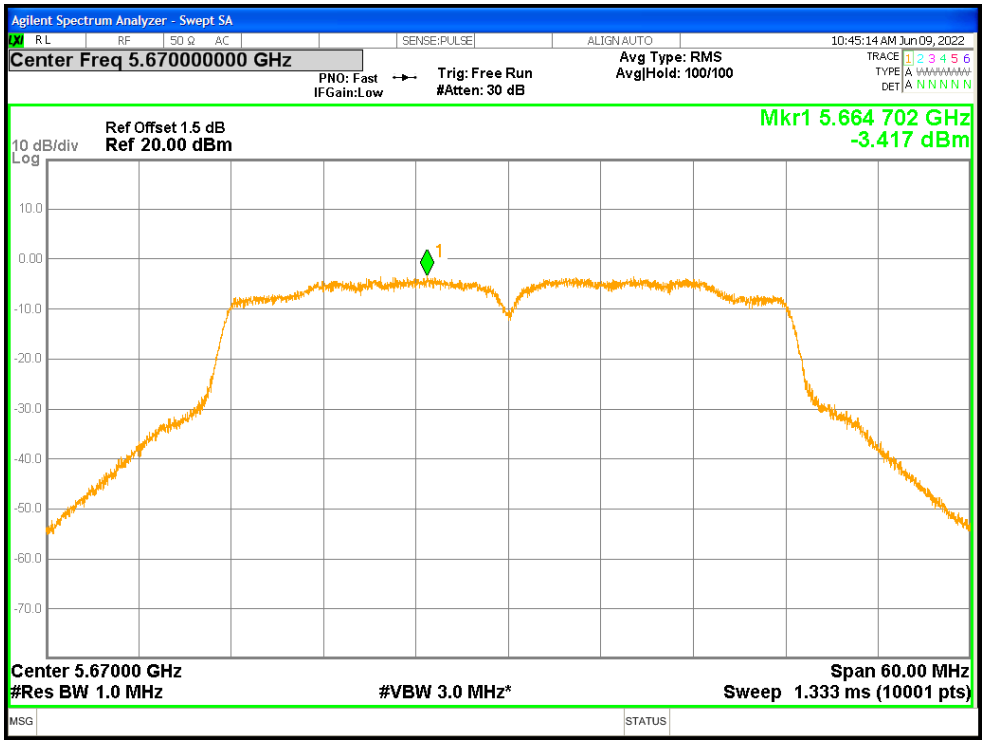
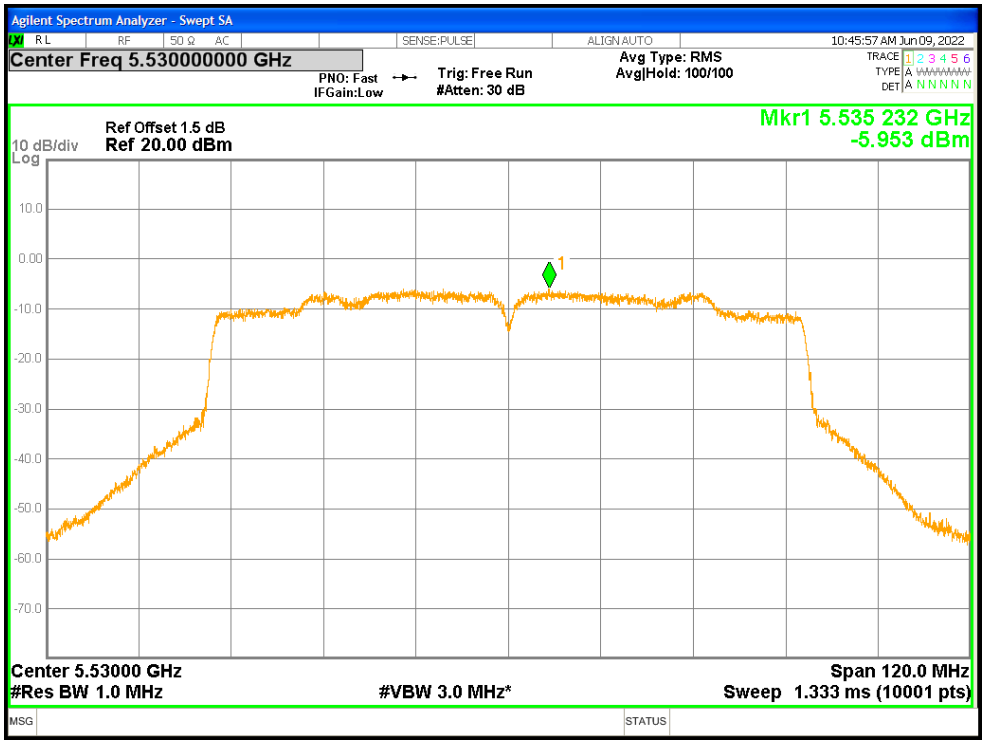


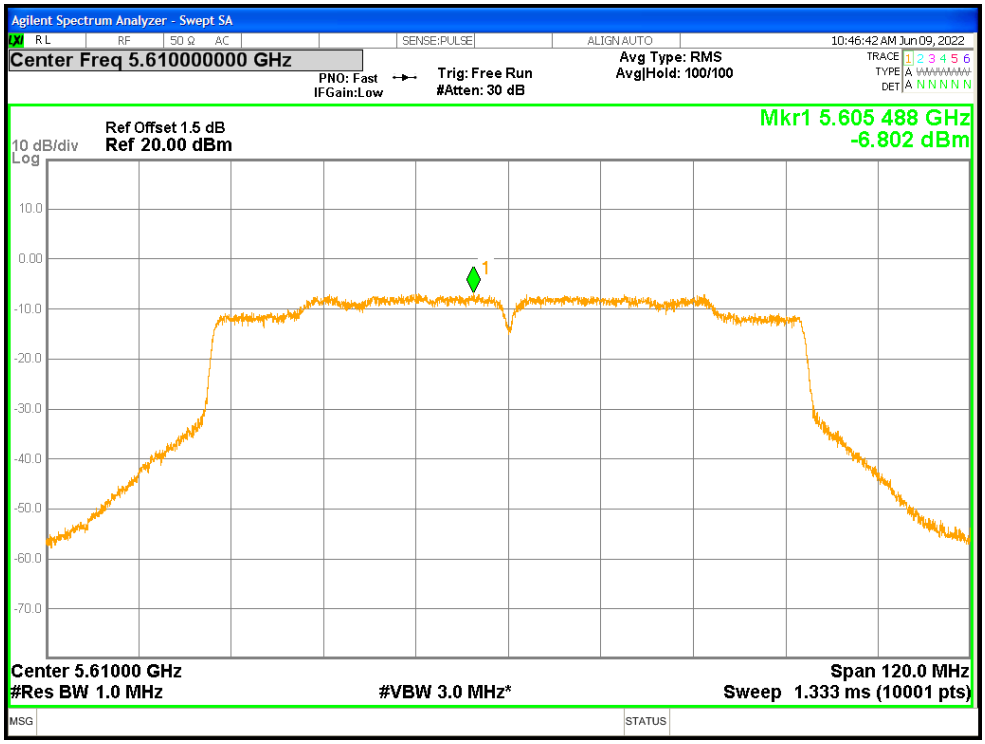
PSD NVNT ac40 5670MHz



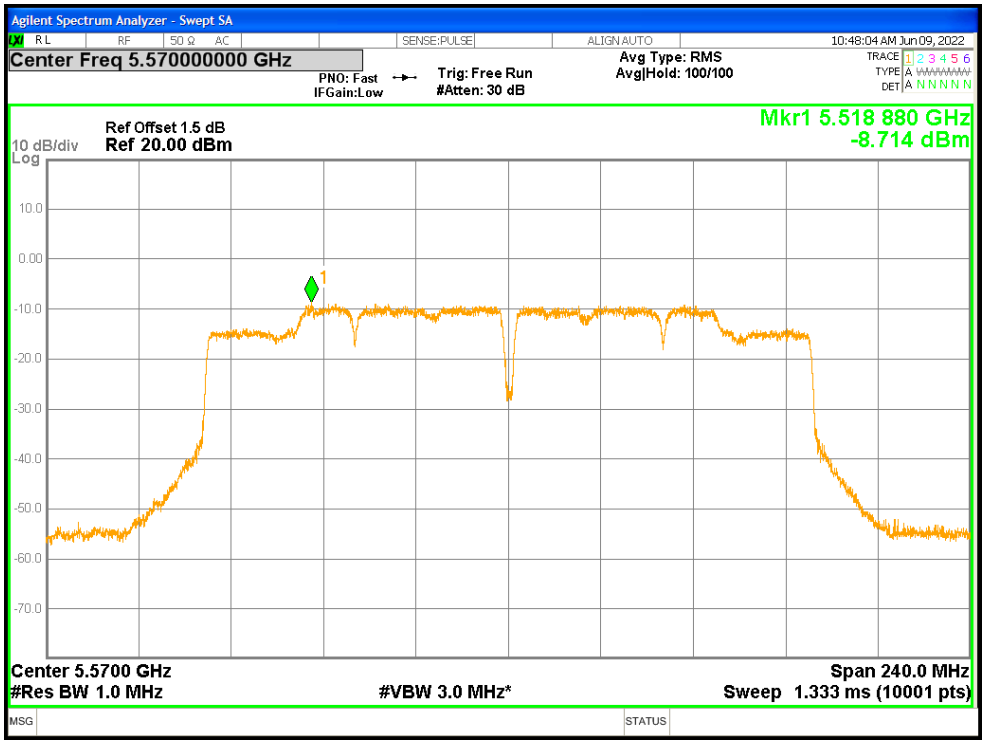
PSD NVNT ac80 5530MHz



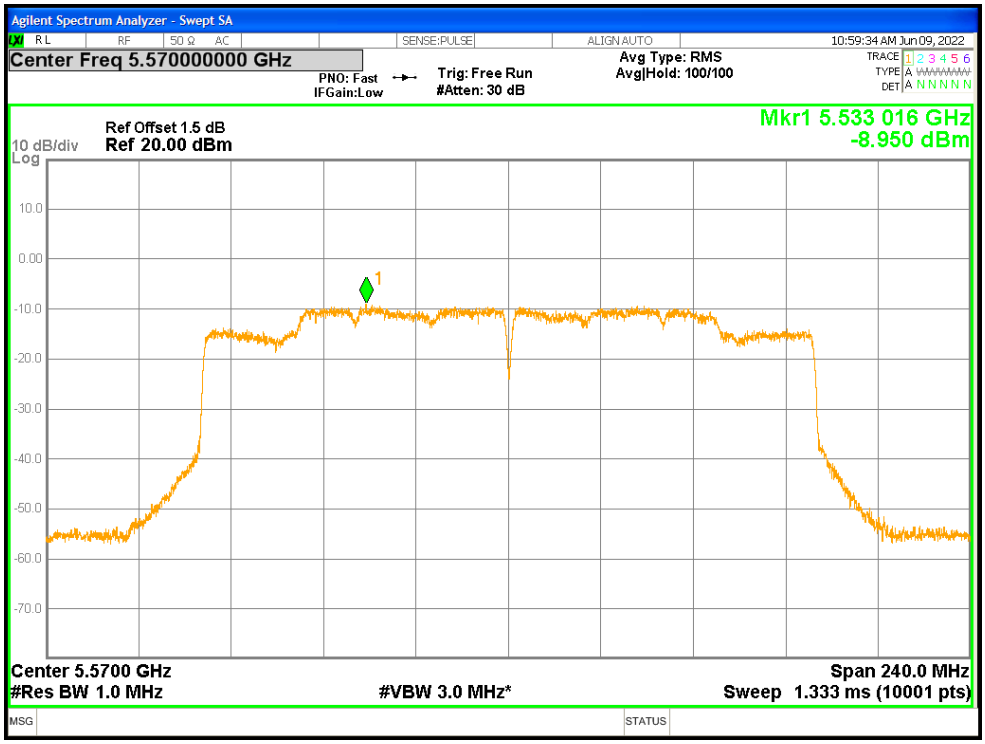
PSD NVNT ac80 5610MHz



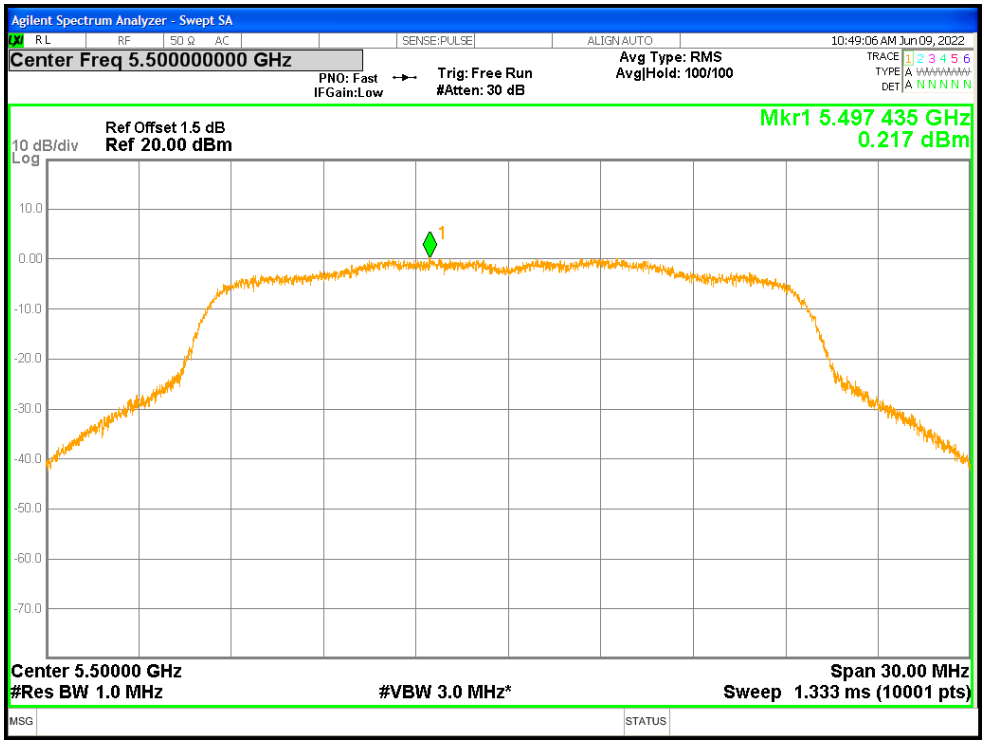
PSD NVNT ac160 5570MHz



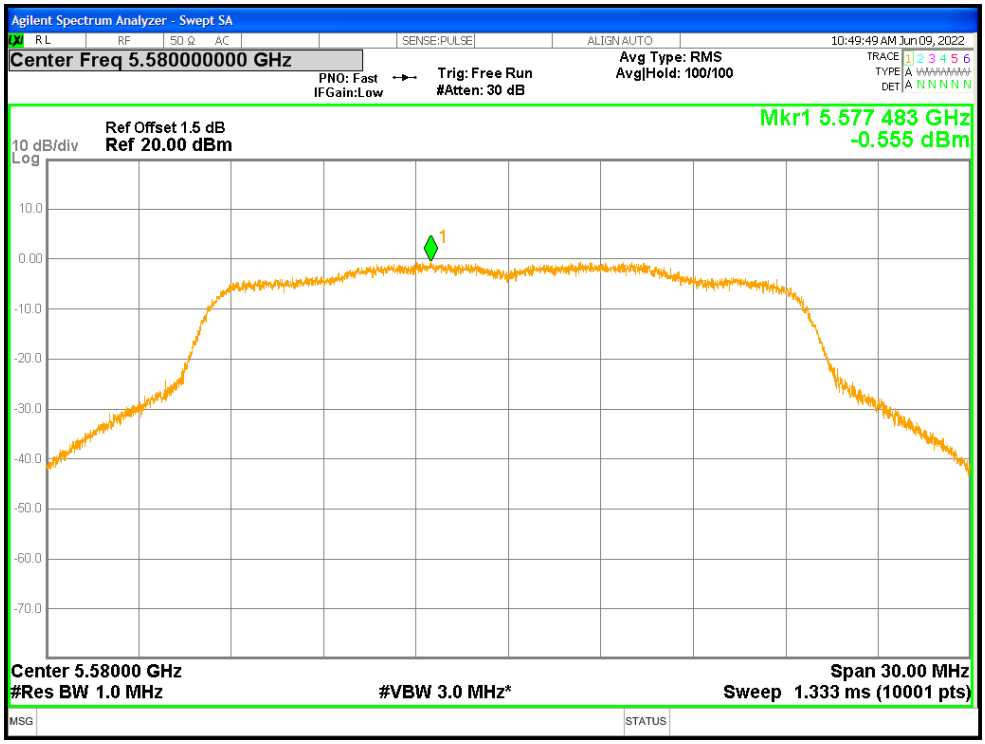
PSD NVNT ax160 5570MHz



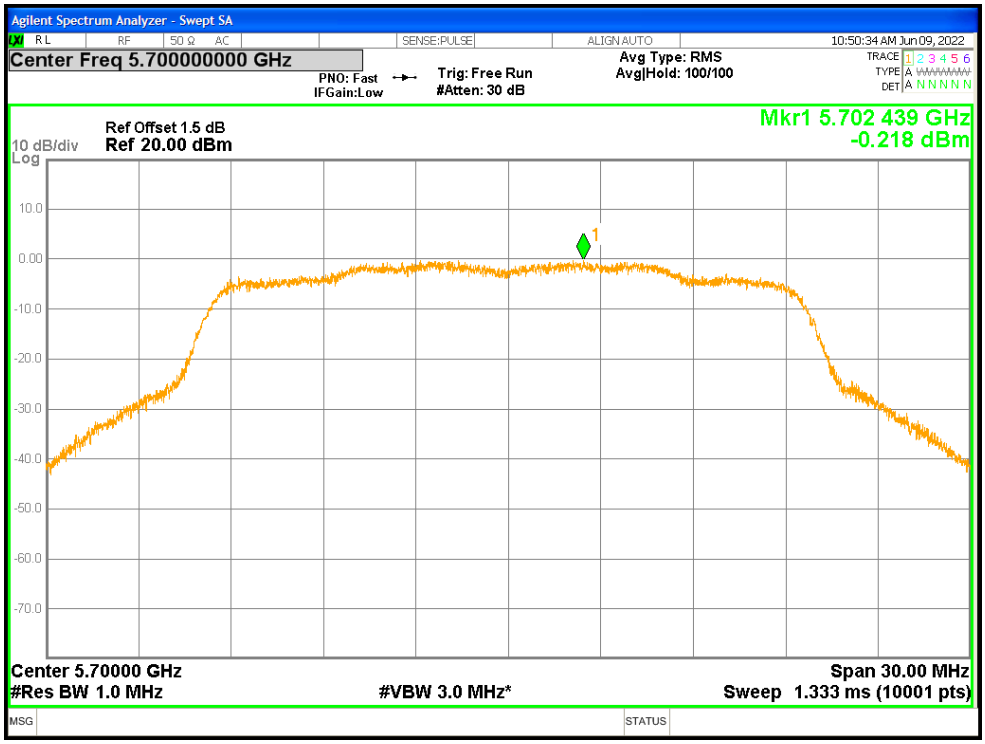
PSD NVNT ax20 5500MHz



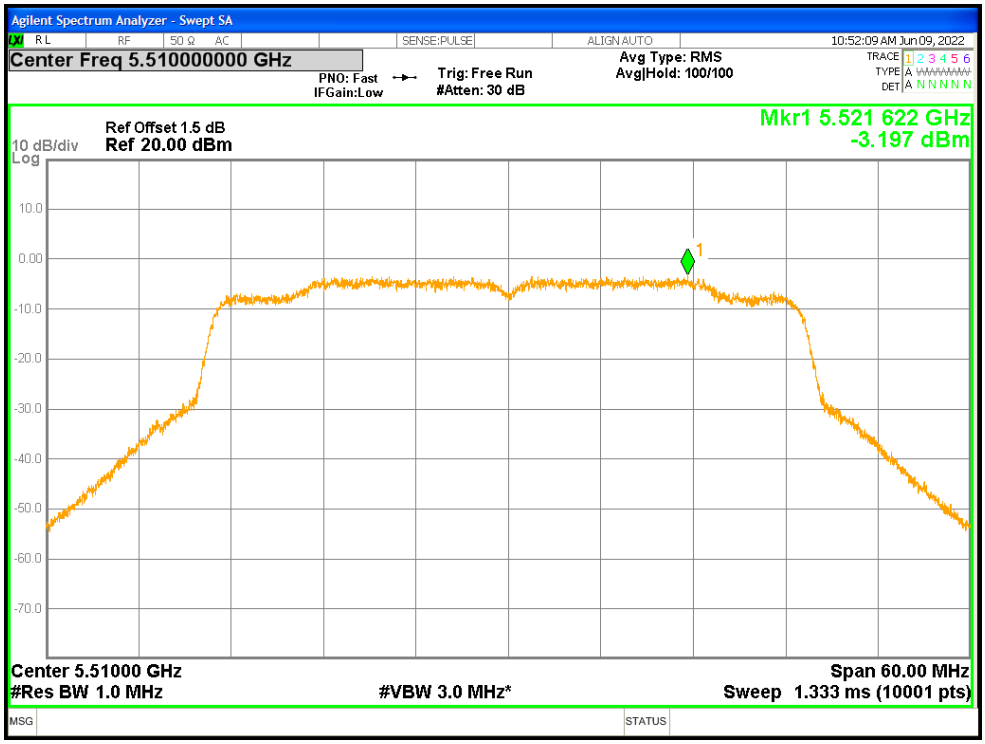
PSD NVNT ax20 5580MHz



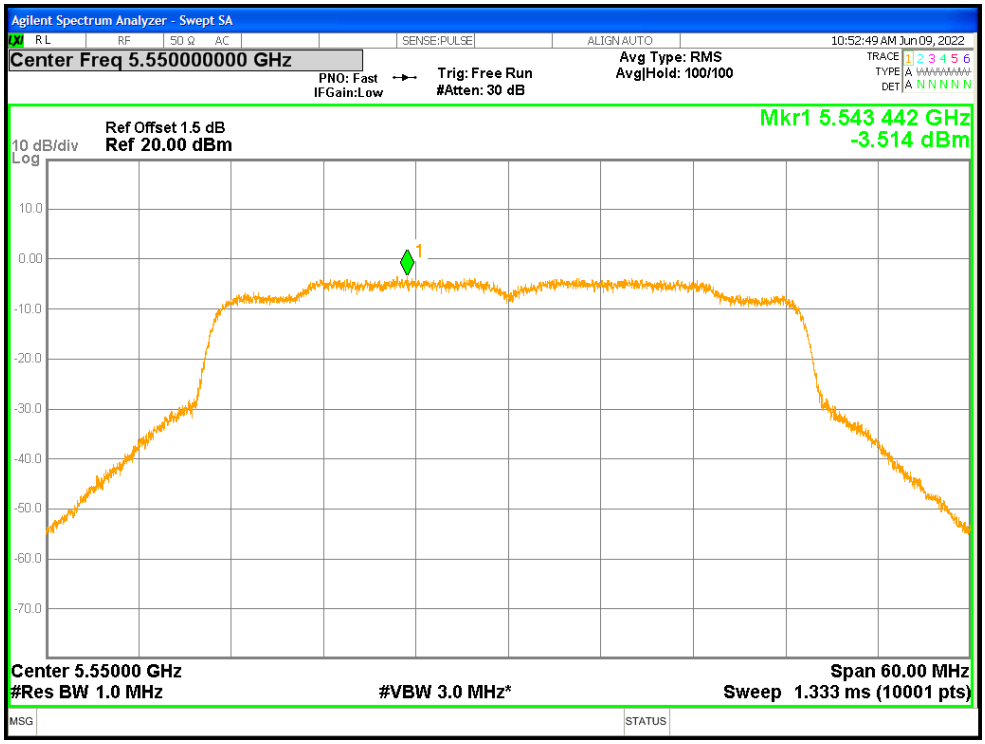
PSD NVNT ax20 5700MHz



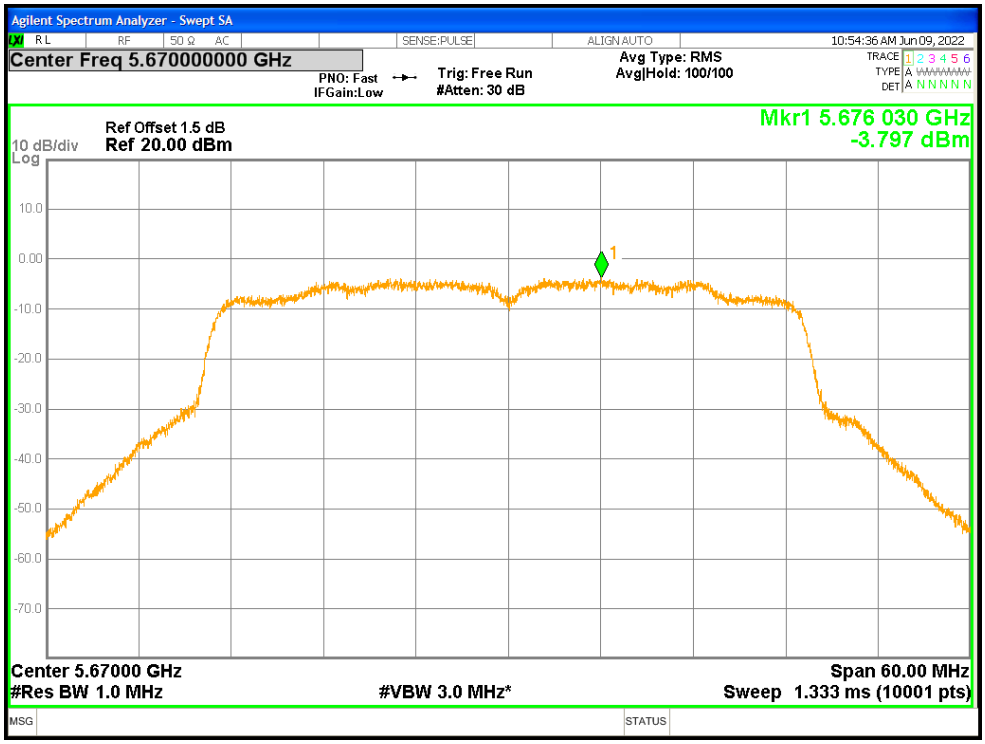
PSD NVNT ax40 5510MHz



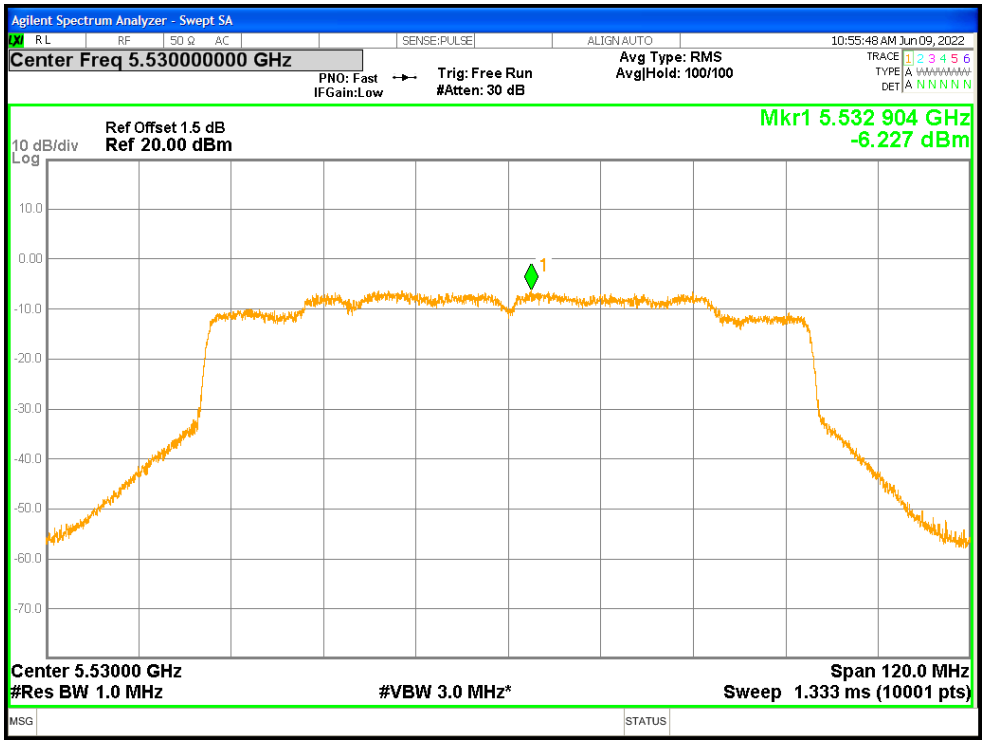
PSD NVNT ax40 5550MHz



PSD NVNT ax40 5670MHz



PSD NVNT ax80 5530MHz



PSD NVNT ax80 5610MHz